Table 36

SUMMARY OF ANALYTICAL PROGRAM
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

						PARAMETERS														
						OFF-SITE LABORATORY- PAL ANALYSES												FIELD ANALYTICAL		
FIELD EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	VOA	SVOA	P/P	INOR-t	INOR-s	TCLP	TPHC	WATER	QUAL	TOC	EXP	TSS	C/A	BTEX	CHLOR	TPHC/IR
SI	Water	Surface Water	41D-92-01X			X		X	X			X	X			X					
SI	Water	Surface Water	41D-92-02X			X		X	X			X	X			X					
SI	Soil	Sediment	41D-92-01X			X		X	X			X			X	X					
SI	Soil	Sediment	41D-92-02X			X		X	X			X			X	X					
SI	Water	Sump Water	41D-92-03X		1	X		X	X				X			X	X				
SI	Water	Sump Water	41D-92-04X		1	X		X	X				X			X	X				
SI	Water	Sump Water	41D-92-05X		1	X		X	X				X			X	X				
SI	Water	Sump Water	41D-92-06X		1	X		X	X				X			X	X				
SI	Water	Groundwater	41M-92-01X		1	X	X	X	X			X				X	X	X			
SI	Water	Groundwater	41M-92-01X		2	X	X	X	X	X		X				X	X	X			
SI	Soil	Soil	41M-92-01X	26-28											X						
SI	Soil	Surface Soil	41S-92-01X			X	X	X	X			X				X					
SI	Soil	Surface Soil	41S-92-02X			X	X	X	X			X				X					
SI	Soil	Surface Soil	41S-92-03X			X	X	X	X			X				X					
SI	Soil	Surface Soil	41S-92-04X			X	X	X	X			X				X					
SI	Soil	Surface Soil	41S-92-05X			X	X	X	X			X				X					
SI	Soil	Surface Soil	41S-92-06X			X	X	X	X			X				X					
SI	Soil	Surface Soil	41D-92-03X			X	X	X	X						X		X				
SI	Soil	Surface Soil	41D-92-04X			X	X	X	X						X		X				
SI	Soil	Surface Soil	41D-92-05X			X	X	X	X						X		X				
SI	Soil	Surface Soil	41D-92-06X			X	X	X	X						X		X				
SSI	Soil	Sediment	41D-93-07X			X	X	X	X						X						
SSI	Soil	Sediment	41D-93-08X			X	X	X	X						X						
SSI	Soil	Sediment	41D-93-09X			X	X	X	X						X						
SSI	Soil	Sediment	41D-93-10X			X	X	X	X						X						
SSI	Soil	Sediment	41D-93-11X			X	X	X	X						X						
SSI	Water	Surface Water	41D-93-10X			X	X	X	X				X								
SSI	Water	Surface Water	41D-93-11X			X	X	X	X				X								
SSI	Water	Groundwater	41M-92-01X		3	X	X	X	X	X						X	X				

Table 36

SUMMARY OF ANALYTICAL PROGRAM
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

						PARAMETERS														
						OFF-SITE LABORATORY- PAL ANALYSES													FIELD ANALYTICAL		
FIELD EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	VOA	SVOA	P/P	INOR-t	INORds	TCLP	TPHC	WATER	QUAL	TOC	EXP	TSS	C/A	BTEX	CHLOR	TPHC/IR
SSI	Water	Groundwater	41M-92-01X		4	X	X	X	X	X						X	X				
SSI	Water	Groundwater	41M-93-02A		3	X	X	X	X	X						X	X				
SSI	Water	Groundwater	41M-93-02A		4	X	X	X	X	X						X	X				
SSI	Water	Groundwater	41M-93-02B		3	X	X	X	X	X						X	X				
SSI	Water	Groundwater	41M-93-02B		4	X	X	X	X	X						X	X				
SSI	Soil	Soil	41M-93-02B	2-4		X	X	X	X							X					
SSI	Soil	Soil	41M-93-02B	4-6		X	X	X	X							X					
SSI	Soil	Soil	41M-93-02B	30-32		X	X	X	X						X	X					
SSI	Water	Groundwater	41M-93-03X		3	X	X	X	X	X						X	X				
SSI	Water	Groundwater	41M-93-03X		4	X	X	X	X	X						X	X				
SSI	Soil	Soil	41M-93-03X	45-47		X	X	X	X						X	X					
SSI	Water	Groundwater	41M-93-04X		3	X	X	X	X	X						X	X				
SSI	Water	Groundwater	41M-93-04X		4	X	X	X	X	X						X	X				
SSI	Soil	Soil	41M-93-04X	5-7											X						
SSI	Water	Groundwater	41M-93-05X		3	X	X	X	X	X						X	X				
SSI	Water	Groundwater	41M-93-05X		4	X	X	X	X	X						X	X				
SSI	Soil	Soil	41M-93-05X	5-7											X						
RI	Water	S_Auger	SA4101	38-43															X	X	
RI	Water	S_Auger	SA4102	41-46															X	X	
RI	Water	S_Auger	SA4103	37-42															X	X	
RI	Water	S_Auger	SA4104	37-42															X	X	
RI	Water	S_Auger	SA4105	40-45															X	X	
RI	Water	S_Auger	SA4106	39-44															X	X	
RI	Water	S_Auger	SA4107	35-40															X	X	
RI	Water	S_Auger	SA4108	19-24															X	X	
RI	Water	S_Auger	SA4109	26-31															X	X	
RI	Water	S_Auger	SA4110	19-24															X	X	
RI	Water	S_Auger	SA4111	36-41															X	X	
RI	Water	S_Auger	SA4112	38-43															X	X	

Table 36

SUMMARY OF ANALYTICAL PROGRAM
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

						PARAMETERS															
						OFF-SITE LABORATORY- PAL ANALYSES													FIELD ANALYTICAL		
FIELD EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	VOA	SVOA	P/P	INOR-t	INORd-s	TCLP	TPHC	WATER	AQUAL	TOC	EXP	TSS	C/A	BTEX	CHLOR	TPHC/IR
RI	Water	S_Auger	SA4113	40-45															X	X	
RI	Water	S_Auger	SA4114	44-49															X	X	
RI	Water	S_Auger	SA4115	25-30															X	X	
RI	Water	S_Auger	SA4116	40-45															X	X	
RI	Water	S_Auger	SA4117	45-50															X	X	
RI	Water	S_Auger	SA4118	24-29															X	X	
RI	Water	S_Auger	SA4119	45-50															X	X	
RI	Water	S_Auger	SA4120	38-43															X	X	
RI	Water	S_Auger	SA4121	19-24															X	X	
RI	Water	S_Auger	SA4122	13-18															X	X	
RI	Water	S_Auger	SA4123	50-55															X	X	
RI	Water	S_Auger	SA4123	55-60															X	X	
RI	Water	S_Auger	SA4123	60-65															X	X	
RI	Water	S_Auger	SA4123	65-70															X	X	
RI	Water	S_Auger	SA4123	70-75															X	X	X
RI	Soil	Soil	41E-94-01X	2		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-01X	4		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-01X	10		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-02X	2		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-02X	9		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-03X	2		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-03X	11		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-04X	1		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-04X	3		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-05X	3		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-05X	5		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-05X	10		X	X		X		X	X			X				X	X	X
RI	Soil	Soil	41E-94-06X	3		X	X		X			X			X						
RI	Soil	Soil	41E-94-06X	9		X	X		X			X			X						

Table 36

SUMMARY OF ANALYTICAL PROGRAM
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

						PARAMETERS															
						OFF-SITE LABORATORY- PAL ANALYSES													FIELD ANALYTICAL		
FIELD EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	VOA	SVOA	P/P	INOR-t	INOR-s	TCLP	TPHC	WAQUAL	TOC	EXP	TSS	C/A	BTEX	CHLOR	TPHC/IR
RI	Soil	Soil	41E-94-07X	4		X	X		X			X		X						
RI	Soil	Soil	41E-94-07X	10		X	X		X			X		X						
RI	Soil	Soil	41E-94-08X	4		X	X		X			X		X						
RI	Soil	Soil	41E-94-08X	10		X	X		X			X		X						
RI	Soil	Soil	41E-94-08X	12		X	X		X			X		X						
RI	Soil	Soil	41E-94-09X	4		X	X		X			X		X						
RI	Soil	Soil	41E-94-09X	9		X	X		X			X		X						
RI	Water	Groundwater	41M-92-01X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-92-01X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-02A		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-02A		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-02B		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-02B		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-02C		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-02C		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-03X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-03X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-04X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-04X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-05X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-93-05X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-03B		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-03B		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-06X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-06X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-07X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-07X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-08A		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-08A		6	X	X		X	X			X			X				

Table 36

SUMMARY OF ANALYTICAL PROGRAM
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

						PARAMETERS														
						OFF-SITE LABORATORY- PAL ANALYSES												FIELD ANALYTICAL		
FIELD EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	VOA	SVOA	P/P	INOR-t	INOR-s	TCLP	TPHC	WAQUAL	TOC	EXP	TSS	C/A	BTEX	CHLOR	TPHC/IR
RI	Water	Groundwater	41M-94-08B		5	X	X		X	X			X							
RI	Water	Groundwater	41M-94-08B		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-09A		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-09A		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-09B		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-09B		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-10X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-10X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-11X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-11X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-12X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-12X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-13X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-13X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-14X		5	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-14X		6	X	X		X	X			X			X				
RI	Water	Groundwater	41M-94-01X															X	X	X
RI	Water	Groundwater	41M-94-02A															X	X	X
RI	Water	Groundwater	41M-94-02B															X	X	X
RI	Water	Groundwater	41M-94-03X															X	X	X
RI	Water	Groundwater	41M-94-04X															X	X	X
RI	Water	Groundwater	41M-94-05X															X	X	X
RI	Gas	T_Probe	TS-01	5-7															X*	
RI	Gas	T_Probe	TS-01	7-9															X*	
RI	Gas	T_Probe	TS-01	9-11															X*	
RI	Gas	T_Probe	TS-01	11-13															X*	
RI	Gas	T_Probe	TS-01	13-15															X*	
RI	Gas	T_Probe	TS-01	19-21															X*	
RI	Gas	T_Probe	TS-02	5-7															X*	

Table 36

SUMMARY OF ANALYTICAL PROGRAM
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

						PARAMETERS															
						OFF-SITE LABORATORY- PAL ANALYSES													FIELD ANALYTICAL		
FIELD EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	VOA	SVOA	P/P	INOR-t	INOR-s	TCLP	TPHC	WATER	QUAL	TOC	EXP	TSS	C/A	BTEX	CHLOR	TPHC/IR
RI	Gas	T_Probe	TS-03	5-7																X*	
RI	Gas	T_Probe	TS-04	5-7																X*	
RI	Gas	T_Probe	TS-04	10-12																X*	
RI	Gas	T_Probe	TS-04	15-17																X*	
RI	Gas	T_Probe	TS-04	20-22																X*	
RI	Gas	T_Probe	TS-05	5-7																X*	
RI	Gas	T_Probe	TS-06	5-7																X*	
RI	Gas	T_Probe	TS-07	5-7																X*	
RI	Gas	T_Probe	TS-08	5-7																X*	
RI	Gas	T_Probe	TS-09	5-7																X*	
RI	Gas	T_Probe	TS-10	5-7																X*	
RI	Gas	T_Probe	TS-11	5-7																X*	
RI	Gas	T_Probe	TS-12	5-7																X*	
RI	Gas	T_Probe	TS-13	5-7																X*	
RI	Gas	T_Probe	TS-13	5-7																X*	
RI	Soil	T_Probe	TS-01	18-20																X*	
RI	Soil	T_Probe	TS-01	23-25																X*	
RI	Soil	T_Probe	TS-01	30-32																X*	
RI	Soil	T_Probe	TS-01	35-37																X*	
RI	Soil	T_Probe	TS-02	30-32																X*	
RI	Soil	T_Probe	TS-02	35-37																X*	
RI	Soil	T_Probe	TS-03	30-32																X*	
RI	Soil	T_Probe	TS-03	35-37																X*	
RI	Soil	T_Probe	TS-04	18-20																X*	
RI	Soil	T_Probe	TS-04	23-25																X*	
RI	Soil	T_Probe	TS-04	30-32																X*	
RI	Soil	T_Probe	TS-04	35-37																X*	
RI	Soil	T_Probe	TS-05	30-32																X*	
RI	Soil	T_Probe	TS-05	-2																X*	

Table 36

SUMMARY OF ANALYTICAL PROGRAM
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

						PARAMETERS														
						OFF-SITE LABORATORY- PAL ANALYSES												FIELD ANALYTICAL		
FIELD EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	VOA	SVOA	P/P	INOR-tot	INOR-dis	TCLP	TPHC	WATER QUAL	TOC	EXP	TSS	C/A	BTEX	CHLOR	TPHC/IR
RI	Soil	T_Probe	TS-06	-2															X*	
RI	Soil	T_Probe	TS-06	-2															X*	
RI	Soil	T_Probe	TS-07	-2															X*	
RI	Soil	T_Probe	TS-07	-2															X*	
RI	Soil	T_Probe	TS-10	-2															X*	
RI	Soil	T_Probe	TS-10	-2															X*	
RI	Soil	T_Probe	TS-11	-2															X*	
RI	Soil	T_Probe	TS-11	-2															X*	
RI	Soil	T_Probe	TS-12	-2															X*	
RI	Soil	T_Probe	TS-12	-2															X*	
RI	Soil	T_Probe	TS-14	-2															X*	
RI	Soil	T_Probe	TS-14	-2															X*	
RI	Soil	T_Probe	TS-15	-2															X*	
RI	Soil	T_Probe	TS-15	-2															X*	
RI	Soil	T_Probe	TS-16	-2															X*	
RI	Soil	T_Probe	TS-16	-2															X*	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	
RI	Soil	S.Boring	41M-94-03B	-2														X	X	

Table 36

SUMMARY OF ANALYTICAL PROGRAM
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

						PARAMETERS														
						OFF-SITE LABORATORY- PAL ANALYSES													FIELD ANALYTICAL		
FIELD EVENT	MATRIX	MEDIUM	EXPLORATION ID	DEPTH	ROUND	VOA	SVOA	P/P	INOR-t	INOR-d	TCLP	TPHC	WATER	QUAL	TOC	EXP	TSS	C/A	BTEX	CHLOR	TPHC/IR
RI	Soil	S.Boring	41M-94-07X	-2											X						
RI	Soil	S.Boring	41M-94-08A	-2											X						
RI	Soil	S.Boring	41M-94-08B	-2											X						
RI	Soil	S.Boring	41M-94-09A	-2											X						
RI	Soil	S.Boring	41M-94-09B	-2											X						
RI	Soil	S.Boring	41M-94-10X	-2											X						
RI	Soil	S.Boring	41M-94-11X	-2											X						
RI	Soil	S.Boring	41M-94-12X	-2											X						
RI	Soil	S.Boring	41M-94-13X	-1											X						
RI	Soil	S.Boring	41M-94-14X	-2											X						

Source: ABB Environmental Services, Inc. 1996

Notes:

VOA = Volatile Organic Analysis
SVOA = SemiVolatile Organic Analysis
P/P = Pesticide/PCBs
Inorg. = Inorganics
TOC = Total Organic Carbon
EX = Explosives
TSS = Total Suspended Solids
TDS = Total Dissolved Solids
TPHC=Total Petrolium Hydrocarbons
WATER QUAL=Sulfate, Alkalinity, Phosphate, Nitrite as Nitrogen,Total Kjeldhal Nitrogen
BTEX=Benzene,Toluene,ethylbenzene,M/P/O-Xylenes
CHLOR=Chlorinated VOCs
TCLP= Toxicity Characteristics Leachate Procedure
TPHC/IR=Total Petrolium Hydrocarbons by Infared Spectrophotometry
X*=The chlorinated VOCs t-1,2-DCA, c-1,2-DCA, TCE only

Table 37

SOIL GAS FIELD ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Location ID	Sample Depth	RL (ppb)	t-1,2-DCE (ppb)	c-1,2-DCE (ppb)	TCE (ppb)	Date Analyzed	Comments
TS-01	5	1	<1.0	<1.0	3.9	03/30/95	Soil Vapor
TS-01	7	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-01	9	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-01	11	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-01	13	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-01	19	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-02	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-03	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-04	5	1	<1.0	<1.0	3.6	03/30/95	Soil Vapor
TS-04	10	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-04	15	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-04	20	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-05	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-06	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-07	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-08	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-09	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-10	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-11	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-12	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-13	5	1	<1.0	<1.0	<1.0	03/30/95	Soil Vapor
TS-13	5	1	<1.0	<1.0	<1.0	03/31/95	Soil Vapor

Source: ABB Environmental Services, Inc. 1996

Note:

All samples analyzed with a dilution factor of one.
Volatiles analyzed by Modified USEPA Method 8015, Solids Extraction Direct Injection (PID).
RL = Reporting limit.
ppb = parts per billion.

Table 38

TERRAPROBE SOIL FIELD ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Location ID	Sample Depth	RL (ppb)	t-1,2-DCE (ppb)	c-1,2-DCE (ppb)	TCE (ppb)	Date Analyzed	Comments
TS-01	18	1	<1.4	<1.4	<1.4	04/03/95	Soil
TS-01	23	1	<1.3	<1.3	<1.3	04/03/95	Soil
TS-01	30	1	<1.3	<1.3	51	03/30/95	Soil
TS-01	35	1	<1.3	<1.3	67	03/30/95	Soil
TS-02	30	1	<1.2	<1.2	6.4	03/31/95	Soil
TS-02	35	1	<1.2	<1.2	1.7	03/31/95	Soil
TS-03	30	1	2.2	<1.3	1.4	04/04/95	Soil
TS-03	35	1	<1.3	<1.3	<1.3	04/04/95	Soil
TS-04	18	1	<1.4	<1.4	<1.4	04/03/95	Soil
TS-04	23	1	<1.2	<1.2	<1.2	04/03/95	Soil
TS-04	30	1	<1.3	<1.3	180	03/30/95	Soil
TS-04	35	1	<1.3	<1.3	64	03/30/95	Soil
TS-05	30	1	2.2	<1.2	49	03/31/95	Soil
TS-05	35	1	<1.2	<1.2	23	03/31/95	Soil
TS-06	30	1	<1.4	<1.4	<1.4	03/31/95	Soil
TS-06	35	1	<1.2	<1.2	<1.2	03/31/95	Soil
TS-07	30	1	<1.0	<1.0	<1.0	03/31/95	Soil
TS-07	35	1	<1.2	<1.2	23	03/31/95	Soil
TS-10	30	1	<1.3	<1.3	<1.3	04/04/95	Soil
TS-10	35	1	<1.3	<1.3	<1.3	04/04/95	Soil
TS-11	30	1	<1.4	<1.4	<1.4	04/04/95	Soil
TS-11	35	1	4.3	<1.6	4.2	04/04/95	Soil
TS-12	30	1	2.6	<1.3	22	03/31/95	Soil
TS-12	35	1	<1.2	<1.2	78	03/31/95	Soil
TS-14	30	1	<1.4	<1.4	<1.4	04/03/95	Soil
TS-14	35	1	<1.2	<1.2	7.5	04/03/95	Soil
TS-15	30	1	9.1	<1.2	110	04/03/95	Soil
TS-15	35	1	3.4	<1.3	77	04/03/95	Soil

Table 38

TERRAPROBE SOIL FIELD ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Location ID	Sample Depth	RL (ppb)	t-1,2-DCE (ppb)	c-1,2-DCE (ppb)	TCE (ppb)	Date Analyzed	Comments
TS-16	30	1	4.5	<1.3	34	04/04/95	Soil
TS-16	30	1	1.5	<1.0	46	04/04/95	Soil

Source: ABB Environmental Services, Inc. 1996

Note:

All samples analyzed with a dilution factor of one.
Volatiles analyzed by Modified USEPA Method 8015, Solids Extraction Direct Injection (PID).
RL = Reporting limit.
ppb = parts per billion.

Table 39

TEST PIT SAMPLE FIELD ANALTYCAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	41E-94-01X 02FT TP40102F	41E-94-01X 04 FT TP40104F	41E-94-01X 10 FT TP40110F	41E-94-02X 02 FT TP40202F	41E-94-02X 09 FT TP40209F	41E-94-03X 02 FT TP40302F	41E-94-03X 11 FT TP40311F	41E-94-04X 1 FT TP40401F	41E-94-04X 3 FT TP40403F	41E-94-05X 3 FT TP40503F	41E-94-05X 5 FT TP40505F	41E-94-05X 10 FT TP40510F
Vinyl chloride	<4.4	<4.8	<5.4	<4.4	<5.6	<5.1	<5.7	<6.1	<4.3	<4.9	<4.2	<5.0
t-1,2-DCE	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
c-1,2-DCE	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Benzene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Trichloroethene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Toluene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Tetrachloroethene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
Ethybenzene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
m/p-xylene	<4.4	<4.8	<5.4	<4.4	<5.6	<5.1	<5.7	<6.1	<4.3	<4.9	<4.2	<5.0
o-xylene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5
1,1,2,2-TCA	<4.4	<4.8	<5.4	<4.4	<5.6	<5.1	<5.7	<6.1	<4.3	<4.9	<4.2	<5.0
1,2-dichlorobenzene	<2.2	<2.4	<2.7	<2.2	<2.8	<2.5	<2.9	<3.0	<2.1	<2.4	<2.1	<2.5

Table 40

SOIL BORING FIELD ANALTYCAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	41M94-03B 02 FT SB40302F	41M-94-03B 7 FT SB40307F	41M-94-03B 12 FT SB40312F	41M-94-03B 17 FT SB40317F	41M-94-03B 22 FT SB40322F	41M-94-03B 27 FT SB40327F	41M-94-03B 32 FT SB40332F
Vinyl chloride	<4.2	<4.1	<4.3	<5.6	<69.2	<5.0	<5.2
t-1,2-DCE	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
c-1,2-DCE	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
Benzene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
Trichloroethene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	4.6
Toluene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
Tetrachloroethene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
Ethybenzene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
m/p-xylene	<4.2	<4.1	<4.3	<5.6	<69.2	<5.0	<5.2
o-xylene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6
1,1,2,2-TCA	<4.2	<4.1	<4.3	<5.6	<69.2	<5.0	<5.2
1,2-dichlorobenzene	<2.1	<2.1	<2.1	<2.8	<3.1	<2.5	<2.6

Table 40 (continued)

SOIL BORING FIELD ANALTYCAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	41M-94-03B 37 FT SB40337F	41M-94-03B 42 FT SB40324F	41M94-03B 47 FT SB40347F	41M-94-03B 52 FT SB40352F	41M-94-03B 57 FT SB40357F	41M-94-03B 62 FT SB40362F	41M-94-03B 67 FT SB40367F
Vinyl chloride	<5.0	<5.1	<5.4	<5.1	<5.0	<5.1	<5.1
t-1,2-DCE	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
c-1,2-DCE	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
Benzene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
Trichloroethene	5.3	8.6	<2.7	<2.5	<2.5	<2.6	<2.6
Toluene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
Tetrachloroethene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
Ethybenzene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
m/p-xylene	<5.0	<5.1	<5.4	<5.1	<5.0	<5.1	<5.1
o-xylene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6
1,1,2,2-TCA	<5.0	<5.1	<5.4	<5.1	<5.0	<5.1	<5.1
1,2-dichlorobenzene	<2.5	<2.5	<2.7	<2.5	<2.5	<2.6	<2.6

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID: / DEPTH: / Field Sample Number:	FORT DEVENS BACKGROUND CONCENTRATIONS	41E-94-01X 2 ft EX410101	41E-94-01X 2 ft EX410101	41E-94-01X 4 ft EX410103	41E-94-01X 4 ft EX410103	41E-94-01X 10 ft EX410109	41E-94-01X 10 ft EX410109	41E-94-02X 2 ft EX410201
Aluminum	18000	6690	NA	3910	NA	19300	NA	NA
Arsenic	19	8.83	<2.54 I	5.24	<2.54 I	13.5	<2.54 I	<2.54 I
Barium	54	7.94	245	11.4	302	70.3	542	277
Beryllium	0.81	<.5	NA	<.5	NA	0.943	NA	NA
Calcium	810	259	NA	166	NA	552	NA	NA
Chromium	33	8.43	<6.02	5.88	<6.02	28.8	<6.02	<6.02
Cobalt	4.7	3.07	NA	2.31	NA	10.4	NA	NA
Copper	13.5	6.9	NA	5.81	NA	19	NA	NA
Iron	18000	7990	NA	5840	NA	23500	NA	NA
Lead	48	4.2	<18.6	2.88	<18.6	12.1	<18.6	<18.6
Magnesium	5500	1390	NA	1250	NA	5630	NA	NA
Manganese	380	81.1	NA	104	NA	412	NA	NA
Nickel	14.6	9.03	NA	6.19	NA	26.6	NA	NA
Potassium	2400	351	NA	555	NA	2830	NA	NA
Sodium	234	314	NA	300	NA	513	NA	NA
Vanadium	32.3	7.8	NA	6.5	NA	29.2	NA	NA
Zinc	43.9	17.4	NA	14.7	NA	56.2	NA	NA
PAL SEMIVOLATILE ORGANICS (µg/g)								
Acenaphthylene		<.033	NA	<.033	NA	<.033	NA	NA
Benzo[b]Fluoranthene		<.21	NA	<.21	NA	<.21	NA	NA
Benzo[k]Fluoranthene		<.066	NA	<.066	NA	<.066	NA	NA
*Bis (2-ethylhexyl) Phthalate		<.62	NA	<.62	NA	<.62	NA	NA
Chrysene		<.12	NA	<.12	NA	<.12	NA	NA
*Di-n-butyl Phthalate		<.061	NA	<.061	NA	<.061	NA	NA
Fluoranthene		<.068	NA	<.068	NA	<.068	NA	NA
Phenanthrene		<.033	NA	<.033	NA	<.033	NA	NA
Pyrene		<.033	NA	<.033	NA	<.033	NA	NA
PAL VOLATILE ORGANICS (µg/g)								
1,1,2,2-tetrachloroethane		<.0024	NA	<.0024	NA	<.0024	NA	NA
*Acetone		<.017	NA	<.017	NA	<.017	NA	NA
*Methylene Chloride		<.012	NA	<.012	NA	<.012	NA	NA
Toluene		<.00078	NA	<.00078	NA	<.00078	NA	NA
*Trichlorofluoromethane		0.016*	NA	0.017*	NA	0.0084*	NA	NA
OTHER (µg/g)								
Total Organic Carbon		2870	NA	1110	NA	3730	NA	NA
Total Petroleum Hydrocarbons		<28.2	NA	<28.1	NA	<28.1	NA	NA

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID: DEPTH: Field Sample Number:	FORT DEVENS BACKGROUND CONCENTRATIONS	41E-94-02X 2 ft EX410201	41E-94-02X 9 ft EX410209	41E-94-02X 9 ft EX410209	41E-94-03X 2 ft EX410301	41E-94-03X 11 ft EX410310	41E-94-03X 11 ft EX410310	41E-94-04X 1 ft EX410400
Aluminum	18000	2360	8430	NA	31400	NA	28600	8240
Arsenic	19	4.68	15	5.12 I	12.9	2.54 I	17	6.41
Barium	54	<5.18	30.7	347	92.2	506	132	20.1
Beryllium	0.81	<.5	<.5	NA	1.76	NA	1.68	0.777
Calcium	810	318	1930	NA	459	NA	2010	305
Chromium	33	<4.05	18.1	<6.02	35.4	<6.02	48.3	8.19
Cobalt	4.7	1.96	6.5	NA	9.33	NA	22.9	8.24
Copper	13.5	5.24	14.5	NA	20.4	NA	25.4	8.3
Iron	18000	3770	15100	NA	30400	NA	35300	37700
Lead	48	2.09	6.5	<18.6	11	<18.6	11.3	11.1
Magnesium	5500	633	3490	NA	6640	NA	8720	1000
Manganese	380	70.3	276	NA	280	NA	625	335
Nickel	14.6	4.97	19.5	NA	25.7	NA	38.8	7.05
Potassium	2400	338	1300	NA	4410	NA	6670	372
Sodium	234	344	505	NA	532	NA	691	446
Vanadium	32.3	<3.39	15	NA	48.4	NA	56.5	11.9
Zinc	43.9	<8.03	34.9	NA	65.9	NA	90.8	21.5
PAL SEMIVOLATILE ORGANICS (µg/g)								
Acenaphthylene		<.033	<.033	NA	<.033	NA	<.033	<.033
Benzo[b]Fluoranthene		<.21	<.21	NA	<.21	NA	<.21	<.21
Benzo[k]Fluoranthene		<.066	<.066	NA	<.066	NA	<.066	<.066
*Bis (2-ethylhexyl) Phthalate		<.62	<.62	NA	<.62	NA	<.62	<.62
Chrysene		<.12	<.12	NA	<.12	NA	<.12	<.12
*Di-n-butyl Phthalate		<.061	<.061	NA	<.061	NA	<.061	<.061
Fluoranthene		<.068	<.068	NA	<.068	NA	<.068	0.48
Phenanthrene		<.033	<.033	NA	<.033	NA	<.033	0.36
Pyrene		<.033	<.033	NA	<.033	NA	<.033	0.44
PAL VOLATILE ORGANICS (µg/g)								
1,1,2,2-tetrachloroethane		<.0024	<.0024	NA	<.0024	NA	<.0024	<.0024
*Acetone		<.017	<.017	NA	<.017	NA	<.017	<.017
*Methylene Chloride		<.012	<.012	NA	<.012	NA	<.012	<.012
Toluene		<.00078	<.00078	NA	<.00078	NA	.0012*	<.00078
*Trichlorofluoromethane		0.0059*	0.011*	NA	0.0059*	NA	0.013 B*	<.0059
OTHER (µg/g)								
Total Organic Carbon		1330	1970	NA	3720	NA	3020	11600
Total Petroleum Hydrocarbons		<28.5	<28.3	NA	<28.1	NA	<28.3	47.9

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID:	FORT DEVENS	41E-94-04X	41E-94-04X	41E-94-04X	41E-94-04X	41E-94-05X	41E-94-05X	41E-94-05X
DEPTH:	BACKGROUND	1 ft	1 ft	3 ft	3 ft	3 ft	3 ft	3 ft
Field Sample Number:	CONCENTRATIONS	EX410400	ED410400	EX410402	EX410402	EX410502	ED410402	EX410502
Aluminum	18000	NA	NA	4410	NA	3400	4190 D	NA
Arsenic	19	2.54 I	< 2.45	6.33	< 2.45	5.5	5 D	< 2.45
Barium	54	260	285 D	7.88	277	14.4	12.1 D	252
Beryllium	0.81	NA	NA	<.5	NA	<.5	<.5 D	NA
Calcium	810	NA	NA	263	NA	204	370 D	NA
Chromium	33	<6.02	<6.02 D	6	<6.02	5.05	<4.05 D	<6.02
Cobalt	4.7	NA	NA	2.25	NA	<1.42	1.69 D	NA
Copper	13.5	NA	NA	5.87	NA	8.9	6.31 D	NA
Iron	18000	NA	NA	6750	NA	4710	4730 D	NA
Lead	48	<18.6	<18.6 D	1.81	<18.6	43	18 D	45.9
Magnesium	5500	NA	NA	1160	NA	616	752 D	NA
Manganese	380	NA	NA	86	NA	75.3	90 D	NA
Nickel	14.6	NA	NA	6.49	NA	3.93	4.16 D	NA
Potassium	2400	NA	NA	372	NA	380	477 D	NA
Sodium	234	NA	NA	326	NA	344	310 D	NA
Vanadium	32.3	NA	NA	6.56	NA	7.77	9.24 D	NA
Zinc	43.9	NA	NA	13.8	NA	95.8	40.4 D	NA
PAL SEMIVOLATILE ORGANICS (µg/g)								
Acenaphthylene		<.033 D	NA	<.033	NA	0.048	<.033 D	NA
Benzo[b]Fluoranthene		<.21 D	NA	<.21	NA	0.3	<.21 D	NA
Benzo[k]Fluoranthene		<.066 D	NA	<.066	NA	0.2	.12 D	NA
*Bis (2-ethylhexyl) Phthalate		<.62 D	NA	<.62	NA	<.62	<.62 D	NA
Chrysene		<.12 D	NA	<.12	NA	0.24	.16 D	NA
*Di-n-butyl Phthalate		<.061 D	NA	<.061	NA	<.061	<.061 D	NA
Fluoranthene		0.38 D	NA	<.068	NA	0.26	.19 D	NA
Phenanthrene		0.17 D	NA	<.033	NA	0.066	.044 D	NA
Pyrene		0.37 D	NA	<.033	NA	0.28	.16 D	NA
PAL VOLATILE ORGANICS (µg/g)								
1,1,2,2-tetrachloroethane		<.0024 D	NA	<.0024	NA	<.0024	.065 D	NA
*Acetone		<.017 D	NA	<.017	NA	<.017	.1 D*	NA
*Methylene Chloride		<.012 D	NA	<.012	NA	<.012	.052 D*	NA
Toluene		<.00078 D	NA	<.00078	NA	0.0017*	.023 D*	NA
*Trichlorofluoromethane		<.0059 D	NA	<.0059	NA	<.0059	.02 D	NA
OTHER (µg/g)								
Total Organic Carbon		12300 D	NA	1980	NA	5400	7080 D	NA
Total Petroleum Hydrocarbons		<28.5 D	NA	<21.1	NA	1450	53.8 D	NA

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID: / DEPTH: / Field Sample Number:	FORT DEVENS BACKGROUND CONCENTRATIONS	41E-94-05X 3 ft ED410502	41E-94-05X 5 ft EX410504	41E-94-05X 5 ft ED410504	41E-94-05X 5 ft EX410504	41E-94-05X 5 ft ED410504	41E-94-05X 10 ft EX410509	41E-94-05X 10 ft EX410509
Aluminum	18000	NA	2540	2650 D	NA	NA	2140	NA
Arsenic	19	< 2.45	3.8	5.2 D	< 2.45	< 2.45	3.8	< 2.45
Barium	54	268 D	6.71	7.37 D	319	320 D	<5.18	301
Beryllium	0.81	NA	<.5	<.5 D	NA	NA	<.5	NA
Calcium	810	NA	165	166 D	NA	NA	203	NA
Chromium	33	<6.02 D	<4.05	<4.05 D	<6.02	<6.02 D	<4.05	<6.02
Cobalt	4.7	NA	<1.42	1.66 D	NA	NA	<1.42	NA
Copper	13.5	NA	3.91	3.52 D	NA	NA	3.47	NA
Iron	18000	NA	3870	3930 D	NA	NA	3890	NA
Lead	48	35.2 D	2.14	1.96 D	<18.6	35.2 D	3.37	<18.6
Magnesium	5500	NA	875	771 D	NA	NA	757	NA
Manganese	380	NA	62.5	67.9 D	NA	NA	58.9	NA
Nickel	14.6	NA	4.64	4.3 D	NA	NA	3.1	NA
Potassium	2400	NA	463	529 D	NA	NA	501	NA
Sodium	234	NA	305	372 D	NA	NA	356	NA
Vanadium	32.3	NA	3.96	4.63 D	NA	NA	4.5	NA
Zinc	43.9	NA	15.3	13.7 D	NA	NA	<8.03	NA
PAL SEMIVOLATILE ORGANICS (µg/g)								
Acenaphthylene		NA	<.033	<.033 D	NA	NA	<.033	NA
Benzo[b]Fluoranthene		NA	<.21	<.21 D	NA	NA	<.21	NA
Benzo[k]Fluoranthene		NA	<.066	<.066 D	NA	NA	<.066	NA
*Bis (2-ethylhexyl) Phthalate		NA	<.62	<.62 D	NA	NA	<.62	NA
Chrysene		NA	<.12	<.12 D	NA	NA	<.12	NA
*Di-n-butyl Phthalate		NA	<.061	<.061 D	NA	NA	<.061	NA
Fluoranthene		NA	<.068	<.068 D	NA	NA	<.068	NA
Phenanthrene		NA	<.033	<.033 D	NA	NA	<.033	NA
Pyrene		NA	<.033	<.033 D	NA	NA	<.033	NA
PAL VOLATILE ORGANICS (µg/g)								
1,1,2,2-tetrachloroethane		NA	<.0024	<.0024 D	NA	NA	<.0024	NA
*Acetone		NA	<.017	<.017 D	NA	NA	<.017	NA
*Methylene Chloride		NA	<.012	<.012 D	NA	NA	<.012	NA
Toluene		NA	<.00078	<.00078 D	NA	NA	<.00078	NA
*Trichlorofluoromethane		NA	<.0059	<.0059 D	NA	NA	<.0059	NA
OTHER (µg/g)								
Total Organic Carbon		NA	697	613 D	NA	NA	1000	NA
Total Petroleum Hydrocarbons		NA	<28.5	<28.5 D	NA	NA	<28.3	NA

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID:	FORT DEVENS	41E-94-06X	41E-94-06X	41E-94-07X	41E-94-07X	41E-94-08X	41E-94-08X	41E-94-08X
DEPTH:	BACKGROUND	3 ft	9 ft	4 ft	10 ft	4 ft	10 ft	12 ft
Field Sample Number:	CONCENTRATIONS	EX410603	EX410610	EX410704	EX410710	EX410804	EX410810	EX410812
Aluminum	18000	2530	2620	2450	2260	2370	2460	3050
Arsenic	19	3.96	3.57	3.97	3.69	3.15	6.34	4.28
Barium	54	10.8	9.48	7.22	8.82	6.94	8.08	11.5
Beryllium	0.81	<.5	<.5	<.5	<.5	<.5	<.5	<.5
Calcium	810	298	374	292	278	149	436	276
Chromium	33	<4.05	<4.05	<4.05	<4.05	<4.05	<4.05	6.44
Cobalt	4.7	1.9	1.84	<1.42	1.79	<1.42	<1.42	2.02
Copper	13.5	3.32	2.84	2.67	3.86	2.83	3.1	3.41
Iron	18000	4470	4440	4270	3950	4810	4550	4540
Lead	48	2.2	1.96	1.99	1.92	3.28	2.64	2.6
Magnesium	5500	719	890	790	802	707	855	1150
Manganese	380	158	63.5	61.2	61.3	65.7	67.7	61.3
Nickel	14.6	4.52	3.84	4.26	3.84	2.89	2.4	4.49
Potassium	2400	422	517	432	523	492	478	664
Sodium	234	<100	<100	<100	369	<100	128	<100
Vanadium	32.3	4.29	4.74	3.99	4.55	4.19	4.65	5.61
Zinc	43.9	10.1	10.8	10.3	11	9.67	10.6	10.9
PAL SEMIVOLATILE ORGANICS (µg/g)								
Acenaphthylene		<.033	<.033	<.033	<.033	<.033	<.033	<.033
Benzo[b]Fluoranthene		<.21	<.21	<.21	<.21	<.21	<.21	<.21
Benzo[k]Fluoranthene		<.066	<.066	<.066	<.066	<.066	<.066	<.066
*Bis (2-ethylhexyl) Phthalate		<.62	<.62	<.62	1.3	<.62	<.62	<.62
Chrysene		<.12	<.12	<.12	<.12	<.12	<.12	<.12
*Di-n-butyl Phthalate		<.061	<.061	<.061	<.061	<.061	<.061	<.061
Fluoranthene		<.068	<.068	<.068	<.068	<.068	<.068	<.068
Phenanthrene		<.033	<.033	<.033	<.033	<.033	<.033	<.033
Pyrene		<.033	<.033	<.033	<.033	<.033	<.033	<.033
PAL VOLATILE ORGANICS (µg/g)								
1,1,2,2-tetrachloroethane		<.0024	<.0024	<.0024	<.0024	<.0024	<.0024	<.0024
*Acetone		<.017	<.017	<.017	<.017	<.017	<.017	<.017
*Methylene Chloride		<.012	<.012	<.012	<.012	<.012	<.012	<.012
Toluene		<.00078	<.00078	<.00078	<.00078	<.00078	<.00078	<.00078
*Trichlorofluoromethane		<.0059	<.0059	<.0059	<.0059	<.0059	<.0059	<.0059
OTHER (µg/g)								
Total Organic Carbon		2170	2660	703	1200	738	780	668
Total Petroleum Hydrocarbons		<28	<28	<27.8	<27.8	<27.8	<28	<27.8

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID: / DEPTH: / Field Sample Number:	FORT DEVENS BACKGROUND CONCENTRATIONS	41E-94-09X 4 ft EX410904	41E-94-09X 9 ft EX410910	41E-94-09X 9 ft ED410910	41M-92-01X 26-28 ft BX410126	41M-93-02B 2-4 ft BX410204	41M-93-02B 4-6 ft BX410206	41M-93-02B 30-32 ft BX410232
Aluminum	18000	3040	2950	2880 D		14200	37600	6290
Arsenic	19	3.76	3.81	3.73 D		14	25	24
Barium	54	10.4	7.54	7.84 D		80.5	224	29.7
Beryllium	0.81	<.5	<.5	<.5 D		<.5	1.95	<0.5
Calcium	810	229	336	299 D		1370	2280	1970
Chromium	33	5.87	<4.05	<4.05 D		24.8	70.3	15.6
Cobalt	4.7	2.26	2.14	1.72 D		9.78	17	7.09
Copper	13.5	3.57	3.33	3.64 D		16.1	40.4	10.8
Iron	18000	5280	4330	4150 D		24100	50300	11700
Lead	48	2.54	2.33	2.45 D		9.5	22	6.05
Magnesium	5500	1100	879	802 D		5500	12700	2700
Manganese	380	80.3	77.7	60.1 D		392	541	384
Nickel	14.6	5.29	4.67	4.27 D		19.5	51.5	16.3
Potassium	2400	614	466	473 D		4140	11500	1380
Sodium	234	<100	<100	<100 D		449	669	458
Vanadium	32.3	5.43	4.43	4.27 D		33.9	87.7	12.1
Zinc	43.9	12.3	10.2	9.98 D		66.3	148	28
PAL SEMIVOLATILE ORGANICS (µg/g)								
Acenaphthylene		<.033	<.033	<.033 D		<.033	<.033	<.033
Benzo[b]Fluoranthene		<.21	<.21	<.21 D		<.21	<.21	<.21
Benzo[k]Fluoranthene		<.066	<.066	<.066 D		<.066	<.066	<.066
*Bis (2-ethylhexyl) Phthalate		<.62	<.62	<.62 D		<.62	<.62	<.62
Chrysene		<.12	<.12	<.12 D		<.12	<.12	<.12
*Di-n-butyl Phthalate		<.061	<.061	<.061 D		<.061	<.061	.62 B
Fluoranthene		<.068	<.068	<.068 D		<.068	<.068	<.068
Phenanthrene		<.033	<.033	<.033 D		<.033	<.033	<.033
Pyrene		<.033	<.033	<.033 D		<.033	<.033	<.033
PAL VOLATILE ORGANICS (µg/g)								
1,1,2,2-tetrachloroethane		<.0024	<.0024	<.0024		<.0024	<.0024	<.0024
*Acetone		<.017	<.017	<.017 D		<.017	<.017	<.017
*Methylene Chloride		<.012	<.012	<.012 D		<.012	<.012	<.012
Toluene		<.00078	<.00078	<.00078		<.00078	<.00078	<.00078
*Trichlorofluoromethane		<.0059	<.0059	<.0059 D		<.0059	<.0059	<.0059
OTHER (µg/g)								
Total Organic Carbon		764	811	948 D	199	NA	NA	360
Total Petroleum Hydrocarbons		<27.8	<27.8	<28 D	NA	NA	NA	NA

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID:	FORT DEVENS	41M-93-02B	41M-93-03X	41M-93-04X	41M-93-05X	41M-94-02C	41M-94-07X	41M-94-08A
DEPTH:	BACKGROUND	30-32 ft	45-47 ft	5 ft	5 ft	29-31 ft	5-7 ft	24-26 ft
Field Sample Number:	CONCENTRATIONS	BX410232	BX410345	BX410405	BX410505	BX412C29	BX410705	BX418A25
Aluminum	18000	6600 D	4080	NA	NA	NA	NA	NA
Arsenic	19	18 D	13	NA	NA	NA	NA	NA
Barium	54	29.3 D	23.4	NA	NA	NA	NA	NA
Beryllium	0.81	<.5 D	<.5	NA	NA	NA	NA	NA
Calcium	810	2080 D	1200	NA	NA	NA	NA	NA
Chromium	33	17.7 D	11.7	NA	NA	NA	NA	NA
Cobalt	4.7	6.44 D	5.28	NA	NA	NA	NA	NA
Copper	13.5	11.1 D	7.39	NA	NA	NA	NA	NA
Iron	18000	12400 D	7900	NA	NA	NA	NA	NA
Lead	48	7.93 D	3.94	NA	NA	NA	NA	NA
Magnesium	5500	2900 D	2050	NA	NA	NA	NA	NA
Manganese	380	188 D	147	NA	NA	NA	NA	NA
Nickel	14.6	16.9 D	13.1	NA	NA	NA	NA	NA
Potassium	2400	1570 D	859	NA	NA	NA	NA	NA
Sodium	234	497 D	388	NA	NA	NA	NA	NA
Vanadium	32.3	12.4 D	8.28	NA	NA	NA	NA	NA
Zinc	43.9	34.3 D	22.4	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS (µg/g)								
Acenaphthylene		<.033	<.033	NA	NA	NA	NA	NA
Benzo[b]Fluoranthene		<.21	<.21	NA	NA	NA	NA	NA
Benzo[k]Fluoranthene		<.066	<.066	NA	NA	NA	NA	NA
*Bis (2-ethylhexyl) Phthalate		<.62	<.62	NA	NA	NA	NA	NA
Chrysene		<.12	<.12	NA	NA	NA	NA	NA
*Di-n-butyl Phthalate		.30 B	30 B	NA	NA	NA	NA	NA
Fluoranthene		<.068	<.068	NA	NA	NA	NA	NA
Phenanthrene		<.033	<.033	NA	NA	NA	NA	NA
Pyrene		<.033	<.033	NA	NA	NA	NA	NA
PAL VOLATILE ORGANICS (µg/g)								
1,1,2,2-tetrachloroethane		<.0024	<.0024	NA	NA	NA	NA	NA
*Acetone		<.017	<.017	NA	NA	NA	NA	NA
*Methylene Chloride		<.012	<.012	NA	NA	NA	NA	NA
Toluene		<.00078	<.00078	NA	NA	NA	NA	NA
*Trichlorofluoromethane		<.0059	<.0059	NA	NA	NA	NA	NA
OTHER (µg/g)								
Total Organic Carbon		700	659	643	745	3900	4580	2430
Total Petroleum Hydrocarbons		NA	NA	NA	NA	NA	NA	NA

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID: / DEPTH: / Field Sample Number:	FORT DEVENS BACKGROUND CONCENTRATIONS	41M-94-08B 39-41 ft BX418B40	41M-94-09A 35-37 ft BX419A35	41M-94-09B 40-42 ft BX419B40	41M-94-10X 40-42 ft BX411040	41M-94-11X 34-36 ft BX411135	41M-94-12X 40-42 ft BX411240	41M-94-13X 19-21 ft BX411320
Aluminum	18000	NA	NA	NA	NA	NA	NA	NA
Arsenic	19	NA	NA	NA	NA	NA	NA	NA
Barium	54	NA	NA	NA	NA	NA	NA	NA
Beryllium	0.81	NA	NA	NA	NA	NA	NA	NA
Calcium	810	NA	NA	NA	NA	NA	NA	NA
Chromium	33	NA	NA	NA	NA	NA	NA	NA
Cobalt	4.7	NA	NA	NA	NA	NA	NA	NA
Copper	13.5	NA	NA	NA	NA	NA	NA	NA
Iron	18000	NA	NA	NA	NA	NA	NA	NA
Lead	48	NA	NA	NA	NA	NA	NA	NA
Magnesium	5500	NA	NA	NA	NA	NA	NA	NA
Manganese	380	NA	NA	NA	NA	NA	NA	NA
Nickel	14.6	NA	NA	NA	NA	NA	NA	NA
Potassium	2400	NA	NA	NA	NA	NA	NA	NA
Sodium	234	NA	NA	NA	NA	NA	NA	NA
Vanadium	32.3	NA	NA	NA	NA	NA	NA	NA
Zinc	43.9	NA	NA	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS (µg/g)								
Acenaphthylene		NA	NA	NA	NA	NA	NA	NA
Benzo[b]Fluoranthene		NA	NA	NA	NA	NA	NA	NA
Benzo[k]Fluoranthene		NA	NA	NA	NA	NA	NA	NA
*Bis (2-ethylhexyl) Phthalate		NA	NA	NA	NA	NA	NA	NA
Chrysene		NA	NA	NA	NA	NA	NA	NA
*Di-n-butyl Phthalate		NA	NA	NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA	NA	NA
Phenanthrene		NA	NA	NA	NA	NA	NA	NA
Pyrene		NA	NA	NA	NA	NA	NA	NA
PAL VOLATILE ORGANICS (µg/g)								
1,1,2,2-tetrachloroethane		NA	NA	NA	NA	NA	NA	NA
*Acetone		NA	NA	NA	NA	NA	NA	NA
*Methylene Chloride		NA	NA	NA	NA	NA	NA	NA
Toluene		NA	NA	NA	NA	NA	NA	NA
*Trichlorofluoromethane		NA	NA	NA	NA	NA	NA	NA
OTHER (µg/g)								
Total Organic Carbon		2540	1900	1880	1530	1070	1590	1290
Total Petroleum Hydrocarbons		NA	NA	NA	NA	NA	NA	NA

Table 41

SOIL BORING OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

SITE ID:	FORT DEVENS	41M-94-14X
DEPTH:	BACKGROUND	4-6 ft
Field Sample Number:	CONCENTRATIONS	BX411404
Aluminum	18000	NA
Arsenic	19	NA
Barium	54	NA
Beryllium	0.81	NA
Calcium	810	NA
Chromium	33	NA
Cobalt	4.7	NA
Copper	13.5	NA
Iron	18000	NA
Lead	48	NA
Magnesium	5500	NA
Manganese	380	NA
Nickel	14.6	NA
Potassium	2400	NA
Sodium	234	NA
Vanadium	32.3	NA
Zinc	43.9	NA
PAL SEMIVOLATILE ORGANICS (µg/g)		
Acenaphthylene		NA
Benzo[b]Fluoranthene		NA
Benzo[k]Fluoranthene		NA
*Bis (2-ethylhexyl) Phthalate		NA
Chrysene		NA
*Di-n-butyl Phthalate		NA
Fluoranthene		NA
Phenanthrene		NA
Pyrene		NA
PAL VOLATILE ORGANICS (µg/g)		
1,1,2,2-tetrachloroethane		NA
*Acetone		NA
*Methylene Chloride		NA
Toluene		NA
*Trichlorofluoromethane		NA
OTHER (µg/g)		
Total Organic Carbon		1180
Total Petroleum Hydrocarbons		NA

Table 42

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	41M-92-01X MW401X2W	41M-93-02A MW402AXW	41M-93-02B MW402B2W	41M-93-03X MW40300W	41M-93-04X MW404XXW	41M-93-05X MW405XXW	SA4101 38 FT SA40138W
Vinyl chloride	<4.0	<4.0	<8.0	<100	<4.0	<4.0	<4.0
t-1,2-DCE	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
c-1,2-DCE	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
Benzene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
Trichloroethene	16	28	23	450	<2.0	<2.0	<2.0
Toluene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
Tetrachloroethene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
Ethybenzene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
m/p-xylene	<4.0	<4.0	<8.0	<100	<4.0	<4.0	<4.0
o-xylene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0
1,1,2,2-TCA	13	14	<8.0	<100	<4.0	<4.0	<4.0
1,2-dichlorobenzene	<2.0	<2.0	<4.0	<50	<2.0	<2.0	<2.0

Table 42 (continued)

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	SA4102 41 FT SA40241W	SA4103 37 FT SA40337W	SA4104 37 FT SA40437W	SA4105 40 FT SA40540W	SA4106 39 FT SA40639W	SA4107 35 FT SA40735W	SA4108 19 FT SA40819W
Vinyl chloride	<40	<4.0	<100	<20	<4.0	<20	<4.0
t-1,2-DCE	<20	<2.0	<50	<10	<2.0	<10	<2.0
c-1,2-DCE	<20	<2.0	<50	<10	<2.0	<10	2.5
Benzene	<20	<2.0	<50	<10	<2.0	<10	<2.0
Trichloroethene	87	30	496	48	6.3	16	37
Toluene	<20	<2.0	<50	<10	<2.0	<10	<2.0
Tetrachloroethene	<20	<2.0	<50	<10	<2.0	<10	<2.0
Ethybenzene	<20	<2.0	<50	<10	<2.0	<10	<2.0
m/p-xylene	<40	<4.0	<100	<20	<4.0	<20	<4.0
o-xylene	<20	<2.0	<50	<10	<2.0	<10	<2.0
1,1,2,2-TCA	<40	<4.0	<100	<20	<4.0	<20	27
1,2-dichlorobenzene	<20	<2.0	<50	<10	<2.0	<10	<2.0

Table 42 (continued)

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	SA4109 26 FT SA40926W	SA4110 19 FT SA41019W	SA4111 36 FT SA41136W	SA4112 38 FT SA41238W	SA4113 40 FT SA41340W	SA4114 44 FT SA41444W	SA4115 25 FT SA41525W
Vinyl chloride	<40	<40	<4.0	<4.0	<4.0	<4.0	<4.0
t-1,2-DCE	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
c-1,2-DCE	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
Benzene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
Trichloroethene	48	54	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
Tetrachloroethene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
Ethybenzene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
m/p-xylene	<40	<40	<4.0	<4.0	<4.0	<4.0	<4.0
o-xylene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2,2-TCA	<40	43	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-dichlorobenzene	<20	<20	<2.0	<2.0	<2.0	<2.0	<2.0

Table 42 (continued)

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	SA4116 40 FT SA41640W	SA4117 45 FT SA41445W	SA4118 24 FT SA41824W	SA4119 45 FT SA41945W	SA4120 38 FFT SA42038W	SA4121 19 FT SA42119W	SA4122 13 FT SA42213W
Vinyl chloride	<4.0	<4.0	<20	<4.0	<4.0	<40	<4.0
t-1,2-DCE	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
c-1,2-DCE	<2.0	<2.0	21	<2.0	<2.0	<20	<2.0
Benzene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
Trichloroethene	<2.0	<2.0	49	<2.0	<2.0	45	<2.0
Toluene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
Tetrachloroethene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
Ethybenzene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
m/p-xylene	<4.0	<4.0	<20	<4.0	<4.0	<40	<4.0
o-xylene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0
1,1,2,2-TCA	<4.0	<4.0	32	<4.0	<4.0	<40	<4.0
1,2-dichlorobenzene	<2.0	<2.0	<10	<2.0	<2.0	<20	<2.0

Table 42 (continued)

SCREENED AUGER AND EXISTING MONITORING WELL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

Analyte (µg/L)	SA4123 50 FT SA42350W	SA4123 55 FT SA42355W	SA4123 60 FT SA42360W	SA4123 65 FT SA42365W	SA4123 70 FT SA42370W
Vinyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0
t-1,2-DCE	<2.0	<2.0	<2.0	<2.0	<2.0
c-1,2-DCE	<2.0	<2.0	<2.0	<2.0	<2.0
Benzene	<2.0	<2.0	<2.0	<2.0	<2.0
Trichloroethene	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene	<2.0	<2.0	<2.0	<2.0	<2.0
Tetrachloroethene	<2.0	<2.0	<2.0	<2.0	<2.0
Ethybenzene	<2.0	<2.0	<2.0	<2.0	<2.0
m/p-xylene	<4.0	<4.0	<4.0	<4.0	<4.0
o-xylene	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,2,2-TCA	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-dichlorobenzene	<2.0	<2.0	<2.0	<2.0	<2.0

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 1					ROUND 2		ROUND 3		ROUND 4	
Site ID:		41D-92-03X	41D-92-04X	41D-92-05X	41D-92-06X	41M-92-01X	41M-92-01X	41M-92-01X	41M-92-01X	41M-92-01X	41M-92-01X	41M-92-01X
Sample Date:	Fort Devens	08/10/92	08/10/92	08/10/92	08/10/92	09/25/92	01/07/93	01/07/93	10/13/93	10/13/93	01/26/94	01/26/94
Depth:	Background	0	0	0	0	27	27	27	30	30	30	30
Field Sample Number:	Concentrations	DX410300	DX410400	DX410500	DX410600	MX4101X1	MX4101X2	MX4101X2	MX4101X3	MX4101X3	MX4101X2	MX4101X2
PAL CATIONS/ANIONS (ug/L)												
Chloride		NA	NA	NA	NA	< 2120	< 2120	NA	NA	NA	NA	NA
Phosphate		1900	347	178	158	NA	NA	NA	NA	NA	NA	NA
Sulfate		12100	< 100000	< 100000	< 100000	< 10000	< 10000	NA	NA	NA	NA	NA
PAL METALS (ug/L)												
Aluminum	6870	53700.0	13600.0	5470.0	4960.0	7000	52600	302 F	54100	< 141 F	12800	< 141 F
Antimony	3.03	3.93	< 3.03	< 3.03	< 3.03	4.2	< 3.03	< 3.03 F	< 3.03	3.84 F	3.84	< 3.03 F
Arsenic	10.1	37.7	8.64	68.0	60.5	38.5	38.2	4.26 F	28.3	< 2.54 F	56.0	< 22.14 F
Barium	39.6	199	47.0	27.4	22.7	268	228	< 5 F	158	< 5 F	461	< 5 F
Beryllium	5	< 5.0	< 5.0	< 5.0	< 5.0	6.06	< 5	< 5 F	< 5	< 5 F	< 5	< 5 F
Calcium	14700	49400.0	5500.0	2100.0	2100.0	18500	11000	3570 F	14000	3720 F	39200	3200 F
Chromium	14.7	58.5	15.5	< 6.0	< 6.0	149	88.9	< 6.02 F	62.8	< 6.02 F	149	< 6.02 F
Cobalt	25	< 25.0	< 25.0	< 25.0	< 25.0	56.6	44.4	< 25 F	34.1	< 25 F	88.9	< 25 F
Copper	8.09	46.1	8.86	< 8.09	< 8.09	93.7	72.9	< 8.09 F	57	< 8.09 F	147	15.2 F
Iron	9100	81100.0	13600.0	25000.0	20500.0	110000	74600	333 F	48600	99.8 F	110000	152 F
Lead	4.25	47.3	10.6	6.72	4.86	44.6	42.2	< 1.26 F	32.5	< 1.26 F	48.6	< 1.26 F
Magnesium	3480	16800.0	3540.0	1620.0	1570.0	26500	17100	1420 F	13200	1460 F	23060	1340 F
Manganese	291	1150.0	239.0	256.0	282.0	1420	895	57.4 F	681	60.5 F	1020	34.4 F
Mercury	0.243	<0.243	<0.243	<0.243	<0.243	< 0.243	< 0.243	< 0.243 F	< 0.246	< 0.246 F	< 0.243	< 0.243 F
Nickel	34.3	64.5	< 34.3	< 34.3	< 34.3	178	113	< 34.3 F	73.6	< 34.3 F	170	< 34.3 F
Potassium	2370	12500.0	5190.0	3830.0	3460.0	18800	15100	2610 F	9890	1390 F	20500	1600 F
Silver	4.6	< 4.6	< 4.6	< 4.6	< 4.6	6.2	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6	< 4.6 F
Sodium	10800	5610.0	2270.0	2250.0	2140.0	8870	89340	6640 F	8700	6680 F	9710	6550 F
Vanadium	11	79.4	28.4	< 11.0	< 11.0	119	102	< 11 F	65.6	< 11 F	147	< 11 F
Zinc	21.1	144.0	36.0	< 21.1	< 21.1	267	219	< 21.1 F	140	< 21.1 F	466	< 21.1 F
PAL PESTICIDES (ug/L)												
Endrin		< 0.024	< 0.024	< 0.024	< 0.024	< 0.0238	0.0381	NA	< 0.0238	NA	< 0.0238	NA
PAL EXPLOSIVES (ug/L)												
Nitroglycerin		<10	<10	<10	<10	< 10	< 10	NA	< 10	NA	< 10	NA
PAL SEMIVOLATILE ORGANICS (ug/L)												
*Bis (2-ethylhexyl) Phthalate		<4.8	<4.8	<4.8	<4.8	< 4.8	< 4.8	NA	14	NA	< 4.8	NA
PAL VOLATILE ORGANICS (ug/L)												
1,2-dichloroethylene (cis And Trans Isomers)		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	NA	< 0.5	NA
xylenes		<0.84	<0.84	<0.84	<0.84	< 0.84	< 0.84	NA	< 0.84	NA	< 0.84	NA
1,1,2,2-tetrachloroethane		< 0.5	< 0.5	< 0.5	< 0.5	170	7.1	NA	33	NA	14	NA
Carbon Disulfide		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	NA	< 0.5	NA
Carbon Tetrachloride		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	NA	< 0.5	NA
*Chloroform		< 0.5	1.4	< 0.5	< 0.5	0.5	< 0.5	NA	< 0.5	NA	< 0.5	NA
*Methylene Chloride		< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	NA	< 2.9	NA	< 2.9	NA
Methylethyl Ketone / 2-butanone		<6.4	<6.4	<6.4	<6.4	< 6.4	< 6.4	NA	< 6.4	NA	< 6.4	NA
Tetrachloroethylene / Tetrachloroethene		<1.6	<1.6	<1.6	<1.6	10	< 1.6	NA	2.4	NA	< 1.6	NA
*Toluene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	NA	< 0.5	NA
Benzene		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	NA	< 0.5	NA	< 0.5	NA
Trichloroethylene / Trichloroethene		< 0.5	< 0.5	< 0.5	< 0.5	220	6.4	NA	40	NA	11	NA
2,4,6-Trinitrotoluene		<0.63	<0.63	<0.63	<0.63	0.718	< 0.63	NA	< 0.63	NA	< 0.63	NA
WATER QUALITY PARAMETERS (ug/L)												
Alkalinity		158000	14000	14000	11000	27000	39000	NA	NA	NA	NA	NA
Nitrite, Nitrate-non Specific		25.5	< 10.0	< 10.0	< 10.0	11000	46.7	NA	NA	NA	NA	NA
Nitrogen By Kjeldahl Method		619	210	1430	1810	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids		NA	NA	NA	NA	NA	NA	NA	NA	NA	110000	NA
Total Hardness		135000	16400	9200	10600	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids		2020000	392000	180000	172000	NA	1870000	NA	2180000	NA	1800000	NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 3	ROUND 4	ROUND 3		ROUND 4		ROUND 3					
Site ID:		41M-95-02A	41M-95-02A	41M-95-02B	41M-95-02B	41M-95-02B	41M-95-02B	41M-95-05X	41M-95-05X	41M-95-05X		41M-95-05X	
Sample Date:	Fort Devens	10/15/95	01/26/96	10/15/95	10/15/95	01/26/96	01/26/96	10/14/95	10/14/95	10/14/95		10/14/95	
Depth:	Background	27	27	27	27	27	27	39	39	39		39	
Field Sample Number:	Concentrations	MD4102A1	MX4102A2	MX4102B1	MD4102B1	MX4102B2	MX4102B2	MX4105X1	MX4105X1	MD4105X1		MD4105X1	
PAL CATIONS/ANIONS (ug/L)													
Chloride		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	
Phosphate		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	
Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	
PAL METALS (ug/L)													
Aluminum	6870	NA	NA	16400	< 141 F	46500	< 141 F	6300	< 141 F	6330 D		< 141 D	F
Antimony	3.03	NA	NA	< 3.03	3.75 F	2.95	< 3.03 F	< 3.03	3.38 F	< 3.03 D		< 3.03 D	F
Arsenic	10.5	NA	NA	24.2	9.3 F	78	2.77 F	9.4	< 2.54 F	12.2 D		< 2.54 D	F
Barium	39.6	NA	NA	75.3	< 5 F	251	< 5 F	30	< 5 F	30 D		< 5 D	F
Beryllium	5	NA	NA	< 5	< 5 F	< 5	< 5 F	< 5	< 5 F	< 5 D		< 5 D	F
Calcium	14700	NA	NA	9170	5170 F	16400	5520 F	6200	3440 F	6290 D		5470 D	F
Chromium	14.7	NA	NA	25.5	< 6.02 F	81.5	< 6.02 F	10.5	< 6.02 F	9.61 D		< 6.02 D	F
Cobalt	25	NA	NA	< 25	< 25 F	42.8	< 25 F	< 25	< 25 F	< 25 D		< 25 D	F
Copper	8.09	NA	NA	25.7	< 8.09 F	75.7	< 8.09 F	14	< 8.09 F	11.9 D		< 8.09 D	F
Iron	9100	NA	NA	24200	119 F	75200	166 F	8360	117 F	8580 D		58.8 D	F
Lead	4.25	NA	NA	11.6	< 1.26 F	34.9	2.49 F	4.12	< 1.26 F	4.12 D		< 1.26 D	F
Magnesium	3460	NA	NA	7430	2470 F	17200	2500 F	3130	1450 F	3180 D		1450 D	F
Manganese	291	NA	NA	548	15.4 F	1210	52.6 F	177	3.9 F	178 D		< 2.75 D	F
Mercury	0.243	NA	NA	< 0.243	< 0.243 F	< 0.243	< 0.243 F	< 0.243	< 0.243 F	< 0.243 D		< 0.243 D	F
Nickel	34.3	NA	NA	< 34.3	< 34.3 F	95.7	< 34.3 F	< 34.3	< 34.3 F	< 34.3 D		< 34.3 D	F
Potassium	2370	NA	NA	6120	2020 F	14400	3100 F	2690	1170 F	2840 D		1150 D	F
Silver	4.6	NA	NA	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6 D		< 4.6 D	F
Sodium	10800	NA	NA	10000	8560 F	11100	9480 F	6020	5340 F	6080 D		5410 D	F
Vanadium	11	NA	NA	31.7	< 11 F	78.9	< 11 F	12.7	< 11 F	17 D		< 11 D	F
Zinc	21.1	NA	NA	53.1	< 21.1 F	126	< 21.1 F	24.6	< 21.1 F	30.5 D		< 21.1 D	F
PAL PESTICIDES (ug/L)													
Endrin		NA	NA	< 0.0238	NA	< 0.0238	NA	< 0.0238	NA	< 0.0238 D		NA	
PAL EXPLOSIVES (ug/L)													
Nitroglycerin		NA	NA	< 10	NA	< 10	NA	< 10	NA	< 10 D		NA	
PAL SEMIVOLATILE ORGANICS (ug/L)													
*Bis (2-ethylhexyl) Phthalate		NA	NA	< 4.8	NA	13	NA	7.5	NA	< 4.8 D		NA	
PAL VOLATILE ORGANICS (ug/L)													
1,2-dichloroethylene (cis And Trans Isomers)		< 0.5	< 0.5	< 0.5	NA	1.8	NA	< 1	NA	< 1 D		NA	
xylenes		< 0.84	< 0.84	< 0.84	NA	< 0.84	NA	< 0.84	NA	< 0.84 D		NA	
1,1,2,2-tetrachloroethane		< 0.5	< 0.5	2.5	NA	2.0	NA	< 1	NA	< 1 D		NA	
Carbon Disulfide		< 0.5	< 0.5	< 0.5	NA	< 0.5	NA	< 1	NA	< 1 D		NA	
Carbon Tetrachloride		< 0.5	< 0.5	< 0.5	NA	< 0.5	NA	< 1	NA	< 1 D		NA	
*Chloroform		< 0.5	< 0.5	< 0.5	NA	< 0.5	NA	< 1	NA	< 1 D		NA	
*Methylene Chloride		< 2.3	< 2.3	< 2.3	NA	< 2.3	NA	< 4.4	NA	< 4.4 D		NA	
Methylethyl Ketone / 2-butanone		85	< 4.4	< 4.4	NA	< 4.4	NA	< 10	NA	< 10 D		NA	
Tetrachloroethylene / Tetrachloroethene		< 1.6	< 1.6	< 1.6	NA	< 1.6	NA	< 1	NA	< 1 D		NA	
*Toluene		41	< 0.5	< 0.5	NA	< 0.5	NA	< 1	NA	< 1 D		NA	
Benzene		< 0.5	1.5	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5 D		NA	
Trichloroethylene / Trichloroethene		< 0.5	< 0.5	9.1	NA	7.9	NA	200	NA	200 D		NA	
2,4,6-Trinitrotoluene		< 0.63	< 0.63	< 0.63	NA	< 0.63	NA	< 0.63	NA	< 0.63 D		NA	
WATER QUALITY PARAMETERS (ug/L)													
Alkalinity		NA	NA	NA	NA	NA	NA	NA	NA	NA D		NA	
Nitrite, Nitrate - non Specific		NA	NA	NA	NA	NA	NA	NA	NA	NA D		NA	
Nitrogen By Kjeldahl Method		NA	NA	NA	NA	NA	NA	NA	NA	NA D		NA	
Total Dissolved Solids		NA	NA	NA	NA	96000	NA	NA	NA	NA D		NA	
Total Hardness		NA	NA	NA	NA	NA	NA	NA	NA	NA D		NA	
Total Suspended Solids		NA	NA	376000	NA	5200000	NA	447000	NA	540000 D		NA	

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 4			ROUND 5			ROUND 4			ROUND 5			ROUND 4		
Site ID:		41M-93-05X	41M-93-05X		41M-93-04X	41M-93-04X		41M-93-04X	41M-93-04X		41M-93-05X	41M-93-05X		41M-93-05X	41M-93-05X	
Sample Date:	Fort Devens	01/20/94	01/20/94		10/14/93	10/14/93		01/26/94	01/26/94		10/15/93	10/15/93		01/26/94	01/26/94	
Depth:	Background	59	59		6.5	6.5		6.5	6.5		6.5	6.5		6.5	6.5	
Field Sample Number:	Concentrations	MX4105X2	MX4105X3		MX4104X1	MX4104X1		MX4104X2	MX4104X2		MX4105X1	MX4105X1		MX4105X2	MX4105X2	
PAL CATIONS/ANIONS (ug/L)																
Chloride		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA	
Phosphate		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA	
Sulfate		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA	
PAL METALS (ug/L)																
Aluminum	6870	22600	< 141	F	< 141	< 141	F	2870	< 141	F	12900	< 141	F	222000	< 141	F
Antimony	3.05	< 3.05	< 3.05	F	< 3.05	< 3.05	F	< 3.05	< 3.05	F	< 3.05	< 3.05	F	< 3.05	< 3.05	F
Arsenic	10.1	83.4	35.2	F	19.5	15.4	F	820.1	2.54	F	34.8	17.5	F	45.2	12.7	F
Barium	39.6	156	< 5	F	12.1	12.5	F	20.6	10.5	F	59.4	12.2	F	83.4	7.5	F
Beryllium	5	< 5	< 5	F	< 5	< 5	F	< 5	< 5	F	< 5	< 5	F	< 5	< 5	F
Calcium	14700	15000	8190	F	2510	2420	F	2510	2440	F	3640	3320	F	3510	2530	F
Chromium	14.7	35.8	< 6.02	F	< 6.02	< 6.02	F	6.12	< 6.02	F	14.4	< 6.02	F	91.7	< 6.02	F
Cobalt	25	< 25	< 25	F	< 25	< 25	F	< 25	< 25	F	< 25	< 25	F	< 25	< 25	F
Copper	8.09	36	< 8.09	F	< 8.09	< 8.09	F	< 8.09	< 8.09	F	11.9	< 8.09	F	21.9	< 8.09	F
Iron	9100	35500	136	F	25870	5640	F	6590	1090	F	25500	8250	F	55700	7590	F
Lead	4.25	22.9	< 1.26	F	< 1.26	< 1.26	F	5.4	< 1.26	F	6.18	< 1.26	F	10.7	< 1.26	F
Magnesium	3480	8340	1090	F	< 500	< 500	F	991	< 500	F	5140	< 500	F	5250	611	F
Manganese	291	1210	< 2.73	F	135	158	F	86.1	68	F	358	353	F	432	173	F
Mercury	0.243	< 0.243	< 0.243	F	< 0.243	< 0.243	F	< 0.243	< 0.243	F	< 0.243	< 0.243	F	< 0.243	< 0.243	F
Nickel	34.3	43.5	< 34.3	F	< 34.3	< 34.3	F	< 34.3	< 34.3	F	< 34.3	< 34.3	F	854.3	< 34.3	F
Potassium	2370	8540	2700	F	1560	1660	F	1490	1190	F	3650	1370	F	5470	1420	F
Silver	4.6	< 4.6	< 4.6	F	< 4.6	< 4.6	F	< 4.6	< 4.6	F	< 4.6	< 4.6	F	< 4.6	< 4.6	F
Sodium	10800	7910	6840	F	1730	1790	F	1620	1610	F	2500	1830	F	2520	1720	F
Vanadium	11	36.6	< 11	F	< 11	< 11	F	< 11	< 11	F	20.9	< 11	F	29.7	< 11	F
Zinc	21.1	140	< 21.1	F	< 21.1	< 21.1	F	42.5	26.6	F	34.2	< 21.1	F	34.4	25.6	F
PAL PESTICIDES (ug/L)																
Endrin		< 0.0238	NA		< 0.0238	NA		< 0.0238	NA		< 0.0238	NA		< 0.0238	NA	
PAL EXPLOSIVES (ug/L)																
Nitroglycerin		34.3	NA		< 10	NA		< 10	NA		< 10			< 10	NA	
PAL SEMIVOLATILE ORGANICS (ug/L)																
*Bis(2-ethylhexyl) Phthalate		5.3	NA		< 4.8	NA		< 4.8	NA		10	NA		< 4.8	NA	
PAL VOLATILE ORGANICS (ug/L)																
1,2-dichloroethylene (cis And Trans Isomers)		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA	
xylenes		< 0.84	NA		< 0.84	NA		< 0.84	NA		< 0.84	NA		< 0.84		
1,1,2,2-tetrachloroethane		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA	
Carbon Disulfide		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5		
Carbon Tetrachloride		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5		
*Chloroform		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA	
*Methylene Chloride		< 2.5	NA		< 2.5	NA		< 2.5	NA		< 2.5	NA		< 2.5		
Methylethyl Ketone / 2-butanone		< 6.4	NA		< 6.4	NA		< 6.4	NA		< 6.4	NA		< 6.4	NA	
Tetrachloroethylene / Tetrachloroethene		< 1.6	NA		< 1.6	NA		< 1.6	NA		< 1.6	NA		< 1.6	NA	
*Toluene		< 0.7	NA		< 0.6	NA		< 0.6	NA		< 0.6	NA		< 0.6	NA	
Benzene		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA	
Trichloroethylene / Trichloroethene		150	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA	
2,4,6-Trinitrotoluene		< 0.63	NA		< 0.63	NA		< 0.63	NA		< 0.63	NA		< 0.63	NA	
WATER QUALITY PARAMETERS (ug/L)																
Alkalinity		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA	
Nitrite, Nitrate-nos Specific		NA	NA		NA	NA		NA	NA		< NA	NA		NA	NA	
Nitrogen By Kjeldahl Method		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA	
Total Dissolved Solids		84000	NA		NA	NA		15000	NA		25000	NA		NA	NA	
Total Hardness		NA	NA		NA	NA		NA	NA		NA	NA		NA	NA	
Total Suspended Solids		2900000	NA		7000	NA		27000	NA		350000	NA		700000	NA	

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 3		ROUND 6		ROUND 3		ROUND 6		ROUND 3
Site ID:		41M-92-01X	41M-92-01X	41M-92-01X	41M-92-01X	41M-93-02A	41M-93-02A	41M-93-02A	41M-93-02A	41M-93-02B
Sample Date:	Fort Devens	12/07/94	12/07/94	05/16/95	05/16/95	12/06/94	12/06/94	05/16/95	05/16/95	12/06/94
Depth:	Background	30	30	30	30	8	8	8	8	27
Field Sample Number:	Concentrations	MX4101X4	MX4101X4	MX4101X5	MX4101X5	MX4102A3	MX4102A3	MX4102A4	MX4102A4	MX4102B3
PAL CATIONS/ANIONS (µg/L)										
Chloride		< 2120	NA	< 2120	NA	< 2120	NA	3510	NA	< 2120
Phosphate		50000	NA	16000	NA	31.5	NA	305	NA	12000
Sulfate		< 10000	NA	< 10000	NA	46000	NA	< 10000	NA	< 10000
PAL METALS (µg/L)										
Aluminum	6870	171000	477 F	36400	< 141 F	2300	< 141 F	1270	< 141 F	106000
Antimony	3.05	< 3.05	< 3.05 F	< 3.05	< 3.05 F	< 3.05	< 3.05 F	< 3.05	< 3.05 F	5.75
Arsenic	10.5	48.5	4.26 F	35.3	< 2.54 F	< 2.54	< 2.54 F	< 2.54	< 2.54 F	66.7
Barium	39.6	575	5.69 F	211	< 5 F	41.8	18.9 F	17.7	7.29 F	568
Beryllium	5	5.72	< 5 F	< 5	< 5 F	< 5	< 5 F	< 5	< 5 F	< 5
Calcium	14700	47300	3250 F	18700	5310 F	9060	8380 F	5500	6100 F	54800
Chromium	14.7	300	< 6.02 F	64.3	< 6.02 F	< 6.02	< 6.02 F	< 6.02	< 6.02 F	178
Cobalt	25	126	< 25 F	39.6	< 25 F	< 25	< 25 F	< 25	< 25 F	91.8
Copper	8.09	228	13.6 F	82.7	< 8.09 F	< 8.09	< 8.09 F	< 8.09	< 8.09 F	160
Iron	9100	254000	469 F	45800	65.4 F	2930	65.5 F	1450	58.8 F	172000
Lead	4.25	57.5	< 1.26 F	30	< 1.26 F	< 1.26	< 1.26 F	1.41	< 1.26 F	47.5
Magnesium	3480	61600	1300 F	15100	1340 F	2630	1620 F	1140	647 F	59400
Manganese	291	5120	44.4 F	695	18.5 F	47.2	6.16 F	24.5	4.72 F	2780
Mercury	0.245	< 0.245	< 0.245 F	< 0.245	< 0.245 F	< 0.245	< 0.245 F	< 0.245	< 0.245 F	< 0.245
Nickel	34.5	334	< 34.5 F	67.9	< 34.5 F	< 34.5	< 34.5 F	< 34.5	< 34.5 F	251
Potassium	2370	37100	1630 F	10700	967 F	5590	5200 F	965	849 F	27100
Silver	4.6	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6
Sodium	10800	12200	6520 F	8930	6460 F	13900	8680 F	3630	3040 F	13600
Vanadium	11	283	< 11 F	61.1	< 11 F	< 11	< 11 F	< 11	< 11 F	170
Zinc	21.1	839	42.9 F	135	< 21.1 F	53.6	27.4 F	< 21.1	< 21.1 F	458
PAL PESTICIDES (µg/L)										
Endrin		NA	NA	NA	NA	NA	NA	NA	NA	NA
PAL EXPLOSIVES (µg/L)										
Nitroglycerin		NA	NA	NA	NA	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS (µg/L)										
*Bis (2-ethylhexyl) Phthalate		< 4.8	NA	< 4.8	NA	< 4.8	NA	< 4.8	NA	5.7 B
PAL VOLATILE ORGANICS (µg/L)										
1,2-dichloroethylene (cis And Trans Isomers)		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	1.8
xylenes		< 0.84	NA	< 0.84	NA	< 0.84	NA	< 0.84	NA	0.91
1,1,2,2-tetrachloroethane		34	NA	25	NA	< 0.51	NA	< 0.51	NA	1.9
Carbon Disulfide		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5
Carbon Tetrachloride		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5
*Chloroform		0.64	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5
*Methylene Chloride		< 2.9	NA	< 2.2	NA	< 2.9	NA	< 2.9	NA	< 2.9
Methylethyl Ketone / 2-butanone		< 6.4	NA	< 6.4	NA	< 6.4	NA	< 6.4	NA	< 6.4
Tetrachloroethylene / Tetrachloroethene		2.2	NA	< 1.6	NA	< 1.6	NA	< 1.6	NA	< 1.6
*Toluene		6.4	NA	< 0.5	NA	2	NA	< 0.5	NA	2.1
Benzene		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5
Trichloroethylene / Trichloroethene		46	NA	24	NA	< 0.5	NA	< 0.5	NA	10
2,4,6-Trinitrotoluene		< 0.63	NA	< 0.63	NA	< 0.63	NA	< 0.63	NA	< 0.63
WATER QUALITY PARAMETERS (µg/L)										
Alkalinity		27000	NA	25000	NA	9000	NA	25000	NA	42000
Nitrite, Nitrate - non Specific		58.4	NA	21.9	NA	< 10	NA	< 10	NA	16.4
Nitrogen By Kjeldahl Method		305	NA	495	NA	714	NA	571	NA	419
Total Dissolved Solids		NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hardness		118000	NA	60500	NA	34400	NA	19600	NA	66400
Total Suspended Solids		27000000	NA	15400000	NA	80000	NA	9750000	NA	11500000

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 5		ROUND 6		ROUND 5		ROUND 6		ROUND 5	
Site ID:		41M-93-02B		41M-93-02B	41M-93-02B	41M-94-02C	41M-94-02C	41M-94-02C	41M-94-02C	41M-93-05X	41M-93-05X
Sample Date:	Fort Devens	12/06/94		05/16/95	05/16/95	12/06/94	12/06/94	05/16/95	05/16/95	12/06/94	12/06/94
Depth:	Background	27		27	27	49.5	49.5	49.5	49.5	39	39
Field Sample Number:	Concentrations	MX4102B3		MX4102B4	MX4102B4	MX4102C3	MX4102C3	MX4102C4	MX4102C4	MX4105X3	MX4105X3
PAL CATIONS/ANIONS (µg/L)											
Chloride		NA		2120	NA	2120	NA	2120	NA	2520	NA
Phosphate		NA		2100	NA	13.3	NA	281	NA	104	NA
Sulfate		NA		10000	NA	10000	NA	10000	NA	10000	NA
PAL METALS (µg/L)											
Aluminum	6870	141	F	11000	141 F	569	141 F	141	141 F	1270	141 F
Antimony	3.03	3.03	F	3.03	3.03 F	3.03	3.48 F	3.03	3.03 F	3.03	3.39 F
Arsenic	18.5	4.26	F	6.4	2.54 F	7.04	2.54 F	3.42	2.54 F	5.33	3.62 F
Barium	39.6	5	F	93.5	5 F	5	5 F	5	11.9 F	8.32	5 F
Beryllium	5	5	F	5	5 F	5	5 F	5	5 F	5	5 F
Calcium	14700	4560	F	8100	5480 F	5510	5590 F	5470	2580 F	6200	4540 F
Chromium	14.7	6.02	F	15.8	6.42 F	6.02	6.02 F	6.02	6.02 F	10.3	6.02 F
Cobalt	25	25	F	25	25 F	25	25 F	25	25 F	25	25 F
Copper	8.09	8.09	F	22.9	8.09 F	8.09	8.09 F	8.09	8.09 F	14	8.09 F
Iron	9100	136	F	16200	94.3 F	58.8	58.8 F	58.8	393 F	1620	58.8 F
Lead	4.25	1.26	F	9.35	1.26 F	1.26	1.26 F	1.26	1.26 F	1.26	1.26 F
Magnesium	3480	2460	F	6080	2350 F	703	770 F	749	500 F	2250	1990 F
Manganese	291	32.8	F	439	16.7 F	7.56	7.77 F	7.91	81.5 F	50.7	5.95 F
Mercury	0.243	0.243	F	0.243	0.243 F	0.243	0.243 F	0.243	0.243 F	0.243	0.243 F
Nickel	34.9	34.9	F	34.9	34.9 F	34.9	34.9 F	34.9	34.9 F	34.9	34.9 F
Potassium	2370	2350	F	5140	1570 F	955	1440 F	1052	629 F	2690	1170 F
Silver	4.6	4.6	F	4.6	4.6 F	4.6	4.6 F	4.6	4.6 F	4.6	4.6 F
Sodium	10600	6700	F	9530	8850 F	5160	5410 F	5400	1610 F	6020	5410 F
Vanadium	11	11	F	23.5	11 F	11	11 F	11	11 F	17	11 F
Zinc	21.1	96	F	40.7	21.1 F	21.1	21.1 F	21.1	133 F	43.9	27.8 F
PAL PESTICIDES (µg/L)											
Endrin		NA		NA	NA	NA	NA	NA	NA	NA	NA
PAL EXPLOSIVES (µg/L)											
Nitroglycerin		NA		NA	NA	NA	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS (µg/L)											
*Bis (2-ethylhexyl) Phthalate		NA		4.8	NA	7.5 B	NA	15	NA	4.8	NA
PAL VOLATILE ORGANICS (µg/L)											
1,2-dichloroethylene (cis And Trans Isomers)		NA		2.6	NA	0.5	NA	0.5	NA	1	NA
xylenes		NA		0.84	NA	0.84	NA	0.84	NA	2	NA
1,1,2,2-tetrachloroethane		NA		4	NA	0.51	NA	0.51	NA	1	NA
Carbon Disulfide		NA		0.5	NA	9.2	NA	0.5	NA	1	NA
Carbon Tetrachloride		NA		0.5	NA	0.5	NA	0.5	NA	1	NA
*Chloroform		NA		0.5	NA	0.5	NA	0.5	NA	1	NA
*Methylene Chloride		NA		2.9	NA	2.9	NA	2.9	NA	5	NA
Methylethyl Ketone / 2-butanone		NA		6.4	NA	6.4	NA	6.4	NA	10	NA
Tetrachloroethylene / Tetrachloroethene		NA		1.6	NA	1.6	NA	1.6	NA	3	NA
*Toluene		NA		0.5	NA	0.5	NA	0.5	NA	1	NA
Benzene		NA		0.5	NA	0.5	NA	0.5	NA	1	NA
Trichloroethylene / Trichloroethene		NA		17	NA	1.6	NA	15	NA	200	NA
2,4,6-Trinitrotoluene		NA		0.65	NA	0.65	NA	0.65	NA	0.65	NA
WATER QUALITY PARAMETERS (µg/L)											
Alkalinity		NA		30000	NA	14000	NA	5000	NA	2600	NA
Nitrite, Nitrate - non Specific		NA		10	NA	21.3	NA	10	NA	1700	NA
Nitrogen By Kjeldahl Method		NA		676	NA	185	NA	505	NA	185	NA
Total Dissolved Solids		NA		NA	NA	NA	NA	NA	NA	NA	NA
Total Hardness		NA		35400	NA	18.0	NA	4600	NA	26400	NA
Total Suspended Solids		NA		4200000	NA	4000	NA	15000	NA	447000	NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 5			ROUND 6			ROUND 5			ROUND 6			ROUND 5	
Site ID:		41M-93-05X	41M-93-05X		41M-93-05X	41M-93-05X		41M-94-05B	41M-94-05B		41M-94-05B	41M-94-05B		41M-93-04X	
Sample Date:	Fort Devens	12/06/94	12/06/94		03/20/95	03/20/95		12/06/94	12/06/94		03/20/95	03/20/95		12/01/94	
Depth:	Background	39	39		39	39		64	64		64	64		6.5	
Field Sample Number:	Concentrations	MD4103X3	MD4103X3		MX4103X4	MX4103X4		MX4103B3	MX4103B3		MX4103B4	MX4103B4		MX4104X3	
PAL CATIONS/ANIONS (ug/L)															
Chloride		2410	NA		2520	NA		• 2120	NA		2740	NA		• 2120	
Phosphate		135	NA		104	NA		51.5	NA		3200	NA		13.5	
Sulfate		• 10000	NA		• 10000	NA		• 10000	NA		• 10000	NA		• 10000	
PAL METALS (ug/L)															
Aluminum	6870	1500	• 141	DF	1270	1580	F	• 141	• 141	F	7470	• 141	F	• 141	
Antimony	3.05	• 3.05	• 3.05	DF	• 3.05	• 3.05	F	• 3.05	• 3.05	F	• 3.05	• 3.05	F	• 3.05	
Arsenic	10.5	4.37	3.62	DF	4.58	4.37	F	3.62	2.98	F	17.5	4.58	F	• 3	
Barium	39.6	158	• 5	DF	8.52	8.06	F	• 5	• 5	F	54.7	• 5	F	12.1	
Beryllium	3	8.06	• 5	DF	• 5	• 5	F	• 5	• 5	F	• 5	• 5	F	• 5	
Calcium	14700	15000	8190	DF	5810	5900	F	5510	5530	F	6620	4900	F	2510	
Chromium	14.7	35.8	• 6.02	DF	• 6.02	• 6.02	F	• 6.02	• 6.02	F	14.4	• 6.02	F	• 6.02	
Cobalt	25	• 25	• 25	DF	• 25	• 25	F	• 25	• 25	F	• 25	• 25	F	• 25	
Copper	8.09	36	• 8.09	DF	• 8.09	• 8.09	F	• 8.09	• 8.09	F	18.4	• 8.09	F	• 8.09	
Iron	9100	57.9	57.9	DF	1620	1980	F	• 36.8	57.9	F	10700	• 36.8	F	5870	
Lead	4.25	22.9	• 1.26	DF	• 1.26	• 1.26	F	• 1.26	• 1.26	F	5.75	• 1.26	F	1.26	
Magnesium	3480	2450	1960	DF	1710	2430	F	1990	1960	F	4010	1710	F	• 500	
Manganese	291	31.8	• 2.75	DF	3.63	91	F	• 2.75	• 2.75	F	190	3.63	F	135	
Mercury	0.243	• 0.243	• 0.243	DF	• 0.243	• 0.243	F	• 0.243	• 0.243	F	• 0.243	• 0.243	F	• 0.243	
Nickel	34.9	43.9	• 34.9	DF	• 34.9	• 34.9	F	• 34.9	• 34.9	F	• 34.9	• 34.9	F	• 34.9	
Potassium	2370	8540	2700	DF	1090	1940	F	1400	933	F	9020	1600	F	1560	
Silver	4.6	• 4.6	• 4.6	DF	• 4.6	• 4.6	F	• 4.6	• 4.6	F	• 4.6	• 4.6	F	• 4.6	
Sodium	10800	7910	6640	DF	5480	5740	F	5520	5520	F	5790	5100	F	1720	
Vanadium	11	36.6	• 11	DF	• 11	• 11	F	• 11	• 11	F	• 11	• 11	F	• 11	
Zinc	21.1	146	• 21.1	DF	45.9	• 21.1	F	27.8	• 21.1	F	26.9	• 21.1	F	• 21.1	
PAL PESTICIDES (ug/L)															
Endrin		NA	NA		NA	NA		NA	NA		NA	NA		NA	
PAL EXPLOSIVES (ug/L)															
Nitroglycerin		NA	NA		NA	NA		NA	NA		NA	NA		NA	
PAL SEMIVOLATILE ORGANICS (ug/L)															
*Bis (2-ethylhexyl) Phthalate		10 B	NA		12	NA		NA	NA		• 4.8	NA		• 4.8	
PAL VOLATILE ORGANICS (ug/L)															
1,2-dichloroethylene (cis And Trans Isomers)		• 0.5	NA		• 1	NA		• 0.5	NA		• 0.5	NA		• 0.5	
xylenes		• 0.84	NA		• 2	NA		• 0.84	NA		• 0.84	NA		• 0.84	
1,1,2,2-tetrachloroethane		• 0.51	NA		• 1	NA		• 0.51	NA		• 0.51	NA		• 0.51	
Carbon Disulfide		• 0.5	NA		• 0.5	NA		• 0.5	NA		• 0.5	NA		• 0.5	
Carbon Tetrachloride		• 0.5	NA		• 0.5	NA		• 0.5	NA		• 0.5	NA		• 0.5	
*Chloroform		• 0.5	NA		• 1	NA		• 0.5	NA		• 0.5	NA		2.8	
*Methylene Chloride		• 2.9	NA		• 5	NA		• 2.9	NA		• 2.9	NA		• 2.9	
Methylethyl Ketone / 2-butanone		• 6.4	NA		• 10	NA		• 6.4	NA		• 6.4	NA		• 6.4	
Tetrachloroethylene / Tetrachloroethene		• 1.6	NA		• 3	NA		• 1.6	NA		• 1.6	NA		• 1.6	
*Toluene		1	NA		• 1	NA		0.6	NA		• 0.5	NA		0.63	
Benzene		• 0.5	NA		• 0.5	NA		• 0.5	NA		• 0.5	NA		• 0.5	
Trichloroethylene / Trichloroethene		200	NA		100	NA		• 0.5	NA		0.51	NA		1.5	
2,4,6-Trinitrotoluene		• 0.63	NA		• 0.63	NA		• 0.63	NA		• 0.63	NA		• 0.63	
WATER QUALITY PARAMETERS (ug/L)															
Alkalinity		NA	NA		26000	NA		18000	NA		25000	NA		NA	
Nitrite, Nitrate-as Specific		NA	NA		1700	NA		153	NA		1100	NA		NA	
Nitrogen By Kjeldahl Method		NA	NA		• 183	NA		• 183	NA		524	NA		NA	
Total Dissolved Solids		84000	NA		NA	NA		NA	NA		NA	NA		NA	
Total Hardness		NA	NA		26400	NA		16000	NA		23600	NA		NA	
Total Suspended Solids		2900000	NA		135000	NA		71000	NA		4950000	NA		5000	

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 5		ROUND 6					ROUND 5				ROUND 6			
Site ID:		41M-93-04X		41M-93-04X	41M-93-04X	41M-93-04X	41M-93-04X		41M-93-05X		41M-93-05X		41M-93-05X		41M-93-05X	
Sample Date:	Post Devens	12/07/94		05/13/95	05/13/95	05/13/95	05/14/95		12/07/94		12/07/94		05/14/95		05/14/95	
Depth:	Background	6.5		6.5	6.5	6.5	6.5		6.5		6.5		6.5		6.5	
Field Sample Number:	Concentrations	MX4104X5		MX4104X6	MX4104X6	MD4104X6	MD4104X6		MX4105X5		MX4105X5		MX4105X4		MX4105X4	
PAL CATIONS/ANIONS (ug/L)																
Chloride		NA		2740	NA	2850	NA		2850		NA		2120		NA	
Phosphate		NA		381	NA	U 13.3	NA		U 13.3		NA		281		NA	
Sulfate		NA		U 10000	NA	U 10000	NA		U 10000		NA		U 10000		NA	
PAL METALS (ug/L)																
Aluminum	6870	U 141	F	2870	U 141	F U 141	U 141	DF	12900		U 141	F	22900		U 141	F
Antimony	3.05	U 3.05	F	U 3.05	U 3.05	F U 3.05	U 3.05	DF	U 3.05	F	U 3.05	F	U 3.05	F	U 3.05	F
Arsenic	10.1	U 5	F	20.1	U 2.54	F 15.6	9.58	DF	7.04		U 2.54	F	43.2		12.7	F
Barium	39.6	12.3	F	30.8	10.3	F 4.97	5.18	DF	59.4		12.2	F	83.4		7.34	F
Beryllium	5	U 5	F	U 5	U 5	F U 5	U 5	DF	U 5	F	U 5	F	U 5	F	U 5	F
Calcium	14700	2420	F	2510	2440	F 2030	2260	DF	3840		3320	F	3510		2530	F
Chromium	14.7	U 6.02	F	6.12	U 6.02	F U 6.02	U 6.02	DF	14.4		U 6.02	F	31.7		U 6.02	F
Cobalt	25	U 25	F	U 25	U 25	F U 25	U 25	DF	U 25	F	U 25	F	U 25	F	U 25	F
Copper	8.09	U 8.09	F	U 8.09	U 8.09	F U 8.09	U 8.09	DF	23.9		U 8.09	F	21.9		U 8.09	F
Iron	9100	5640	F	6390	1090	F 4160	2760	DF	25900		8250	F	35700		7590	F
Lead	4.25	U 1.26	F	3.47	U 1.26	F U 1.26	U 1.26	DF	U 1.26	F	U 1.26	F	U 1.26	F	U 1.26	F
Magnesium	3480	U 500	F	991	U 500	F U 500	U 500	DF	5140		U 500	F	5250		611	F
Manganese	291	138	F	86.1	68	F 112	89.8	DF	550		353	F	432		173	F
Mercury	0.243	U 0.243	F	U 0.243	U 0.243	F U 0.243	U 0.243	DF	U 0.243	F	U 0.243	F	U 0.243	F	U 0.243	F
Nickel	34.3	U 34.3	F	U 34.3	U 34.3	F U 34.3	U 34.3	DF	U 34.3	F	U 34.3	F	U 34.3	F	U 34.3	F
Potassium	2370	1660	F	1430	1190	F 1620	1170	DF	5850		1370	F	5470		1420	F
Silver	4.6	U 4.6	F	U 4.6	U 4.6	F U 4.6	U 4.6	DF	U 4.6	F	U 4.6	F	U 4.6	F	U 4.6	F
Sodium	10800	1790	F	1620	1610	F 1640	1750	DF	2580		1630	F	2520		1720	F
Vanadium	11	U 11	F	U 11	U 11	F U 11	U 11	DF	30.9		U 11	F	29.7		U 11	F
Zinc	21.1	U 21.1	F	42.9	24.6	F U 21.1	87.2	DF	34.2		U 21.1	F	34.4		25.4	F
PAL PESTICIDES (ug/L)																
Endrin		NA		NA	NA	NA	NA		NA		NA		NA		NA	
PAL EXPLOSIVES (ug/L)																
Nitroglycerin		NA		NA	NA	NA	NA		NA		NA		NA		NA	
PAL SEMIVOLATILE ORGANICS (ug/L)																
*Bis(2-ethylhexyl) Phthalate		NA		4.5	NA	4.8	NA		6.9		NA		15		NA	
PAL VOLATILE ORGANICS (ug/L)																
1,2-dichloroethylene (cis And Trans Isomers)		NA		U 0.5	NA	U 0.5	NA		U 0.5		NA		U 0.5		NA	
xylenes		NA		U 0.84	NA	U 0.84	NA		U 0.84		NA		U 0.84		NA	
1,1,2,2-tetrachloroethane		NA		U 0.51	NA	U 0.51	NA		U 0.51		NA		U 0.51		NA	
Carbon Disulfide		NA		U 0.5	NA	U 0.5	NA		U 0.5		NA		U 0.5		NA	
Carbon Tetrachloride		NA		U 0.5	NA	U 0.5	NA		U 0.5		NA		U 0.5		NA	
*Chloroform		NA		U 0.5	NA	U 0.5	NA		U 0.5		NA		U 0.5		NA	
*Methylene Chloride		NA		U 2.9	NA	U 2.9	NA		U 2.9		NA		U 2.9		NA	
Methylethyl Ketone / 2-butanone		NA		U 6.4	NA	U 6.4	NA		U 6.4		NA		U 6.4		NA	
Tetrachloroethylene / Tetrachloroethene		NA		U 1.6	NA	U 1.6	NA		U 1.6		NA		U 1.6		NA	
*Toluene		NA		U 0.5	NA	U 0.5	NA		U 0.5		NA		U 0.5		NA	
Benzene		NA		U 0.5	NA	U 0.5	NA		U 0.5		NA		U 0.5		NA	
Trichloroethylene / Trichloroethene		NA		U 0.5	NA	U 0.5	NA		U 0.5		NA		U 0.5		NA	
2,4,6-Trinitrotoluene		NA		U 0.63	NA	U 0.63	NA		U 0.63		NA		U 0.63		NA	
WATER QUALITY PARAMETERS (ug/L)																
Alkalinity		NA		7000	NA	11000	NA		10000		NA		NA		NA	
Nitrite, Nitrate-non Specific		NA		U 10	NA	U 10	NA		21.9		NA		NA		NA	
Nitrogen By Kjeldahl Method		NA		590	NA	476	NA		181		NA		NA		NA	
Total Dissolved Solids		NA		NA	NA	NA	NA		NA		NA		25000		NA	
Total Hardness		NA		17600	NA	18800	NA		9.2		NA		NA		NA	
Total Suspended Solids		NA		270000	NA	180000	NA		350000		NA		700000		NA	

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 5			ROUND 6			ROUND 5			ROUND 6			ROUND 5
Site ID:		41M-94-06X	41M-94-06X		41M-94-06X	41M-94-06X		41M-94-07X	41M-94-07X		41M-94-07X	41M-94-07X		41M-94-06A
Sample Date:	Fort Devens	12/07/94	12/07/94		05/15/95	05/15/95		12/07/94	12/07/94		05/15/95	05/15/95		12/07/94
Depth:	Background	14.5	14.5		14.5	14.5		8	8		8	8		26.5
Field Sample Number:	Concentrations	MX4106X5	MX4106X5		MX4106X4	MX4106X4		MX4107X5	MX4107X5		MX4107X4	MX4107X4		MX4106A5
PAL CATIONS/ANIONS (ug/L)														
Chloride		2520	NA		2630	NA		2740	NA		< 2120	NA		< 2120
Phosphate		< 15.5	NA		560	NA		< 15.5	NA		650	NA		35.5
Sulfate		< 10000	NA		< 10000	NA		< 10000	NA		< 10000	NA		< 10000
PAL METALS (ug/L)														
Aluminum	6870	< 141	< 141	F	< 141	< 141	F	337	< 141	F	< 141	< 141	F	1070
Antimony	3.05	< 3.05	< 3.05	F	< 3.05	< 3.05	F	< 3.05	< 3.05	F	< 3.05	< 3.05	F	< 3.05
Arsenic	10.5	< 2.54	< 2.54	F	< 2.54	< 2.54	F	< 2.54	< 2.54	F	< 2.54	< 2.54	F	< 2.54
Barium	39.6	< 5	< 5	F	< 5	< 5	F	< 5	5.07	F	4.65	< 5	F	14.4
Beryllium	5	< 5	< 5	F	< 5	< 5	F	< 5	< 5	F	< 5	< 5	F	< 5
Calcium	14700	2570	2820	F	2190	2090	F	2350	2190	F	2540	2530	F	9400
Chromium	14.7	< 6.02	< 6.02	F	< 6.02	< 6.02	F	< 6.02	< 6.02	F	< 6.02	< 6.02	F	< 6.02
Cobalt	25	< 25	< 25	F	< 25	< 25	F	< 25	< 25	F	< 25	< 25	F	< 25
Copper	8.09	< 8.09	< 8.09	F	< 8.09	< 8.09	F	< 8.09	< 8.09	F	< 8.09	< 8.09	F	< 8.09
Iron	9100	< 36.8	< 36.8	F	146	< 36.8	F	292	< 36.8	F	50.4	< 36.8	F	1620
Lead	4.25	< 1.26	< 1.26	F	< 1.26	< 1.26	F	16.5	< 1.26	F	< 1.26	< 1.26	F	< 1.26
Magnesium	3400	< 500	< 500	F	< 500	< 500	F	< 500	< 500	F	< 500	< 500	F	3170
Manganese	391	18.7	13	F	10	6.54	F	18.2	15	F	11.3	11.2	F	543
Mercury	0.243	< 0.243	< 0.243	F	< 0.243	< 0.243	F	< 0.243	< 0.243	F	< 0.243	< 0.243	F	< 0.243
Nickel	34.3	< 34.3	< 34.3	F	< 34.3	< 34.3	F	< 34.3	< 34.3	F	< 34.3	< 34.3	F	< 34.3
Potassium	2370	661	493	F	375	671	F	375	496	F	< 375	< 375	F	4950
Silver	4.6	< 4.6	< 4.6	F	< 4.6	< 4.6	F	< 4.6	< 4.6	F	< 4.6	< 4.6	F	< 4.6
Sodium	10800	1960	2200	F	1590	1540	F	2740	2510	F	2480	2470	F	8250
Vanadium	11	< 11	< 11	F	< 11	< 11	F	< 11	< 11	F	< 11	< 11	F	< 11
Zinc	21.1	< 21.1	64.8	F	< 21.1	< 21.1	F	< 21.1	71.1	F	< 21.1	< 21.1	F	< 21.1
PAL PESTICIDES (ug/L)														
Endrin		NA	NA		NA	NA		NA	NA		NA	NA		NA
PAL EXPLOSIVES (ug/L)														
Nitroglycerin		NA	NA		NA	NA		NA	NA		NA	NA		NA
PAL SEMIVOLATILE ORGANICS (ug/L)														
*Bis (2-ethylhexyl) Phthalate		9.1	NA		4.4	NA		43	NA		17	NA		12
PAL VOLATILE ORGANICS (ug/L)														
1,2-dichloroethylene (cis And Trans Isomers)		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		1.5
xylenes		< 0.84	NA		< 0.84	NA		< 0.84	NA		< 0.84	NA		< 0.84
1,1,2,2-tetrachloroethane		< 0.51	NA		< 0.51	NA		< 0.51	NA		< 0.51	NA		61
Carbon Disulfide		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5
Carbon Tetrachloride		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		0.58
*Chloroform		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5
*Methylene Chloride		< 2.3	NA		< 2.3	NA		< 2.3	NA		< 2.3	NA		< 2.3
Methylethyl Ketone / 2-butanone		< 6.4	NA		< 6.4	NA		< 6.4	NA		< 6.4	NA		< 6.4
Tetrachloroethylene / Tetrachloroethene		< 1.6	NA		< 1.6	NA		< 1.6	NA		< 1.6	NA		< 1.6
*Toluene		0.74	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		0.63
Benzene		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5
Trichloroethylene / Trichloroethene		< 0.5	NA		< 0.5	NA		< 0.5	NA		< 0.5	NA		79
2,4,6-Trinitrotoluene		< 0.63	NA		< 0.63	NA		< 0.63	NA		< 0.63	NA		0.718
WATER QUALITY PARAMETERS (ug/L)														
Alkalinity		7000	NA		< 5000	NA		< 5000	NA		< 5000	NA		52000
Nitrite, Nitrate-non Specific		20.6	NA		< 10	NA		17.8	NA		< 10	NA		< 10
Nitrogen By Kjeldahl Method		< 183	NA		400	NA		< 183	NA		543	NA		< 183
Total Dissolved Solids		NA	NA		NA	NA		NA	NA		NA	NA		NA
Total Hardness		6.8	NA		6000	NA		8	NA		7200	NA		54.8
Total Suspended Solids		< 4000	NA		345000	NA		8000	NA		184000	NA		68000

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 5	ROUND 6		ROUND 5		ROUND 6		ROUND 5		ROUND 6	
Site ID:		41M-94-08A	41M-94-08A	41M-94-08A	41M-94-08B	41M-94-08B	41M-94-08B	41M-94-08B	41M-94-09A	41M-94-09A	41M-94-09A	41M-94-09A
Sample Date:	Port Devens	12/07/94	05/15/95	05/15/95	12/06/94	12/08/94	05/16/95	05/16/95	12/06/94	12/06/94	05/15/95	05/15/95
Depth:	Background	26.9	26.9	26.9	42	42	42	42	59	59	59	59
Field Sample Number:	Concentrations	MDX4108A3	MDX4108A4	MDX4108A4	MDX4108B3	MDX4108B3	MDX4108B4	MDX4108B4	MDX4109A3	MDX4109A3	MDX4109A4	MDX4109A4
PAL CATIONS/ANIONS (mg/L)												
Chloride		NA	2120	NA	2120	NA	2120	NA	3070	NA	2960	NA
Phosphate		NA	62.8	NA	203	NA	281	NA	13.3	NA	27.3	NA
Sulfate		NA	10000	NA	10000	NA	10000	NA	10000	NA	10000	NA
PAL METALS (ug/L)												
Aluminum	6870	141 F	1330	141 F	1510	141 F	751	141 F	141 F	141 F	141 F	141 F
Antimony	3.05	4.66 F	3.05 F	3.05 F	3.05 F	3.05 F	3.05 F	3.05 F	3.05 F	3.05 F	3.05 F	3.05 F
Arsenic	10.5	2.54 F	2.54 F	2.54 F	36.9	23.1	17.4	11.7	2.54 F	2.54 F	2.54 F	2.54 F
Barium	30.6	8.79 F	17.9	10.5 F	10.4	5 F	7.44	5 F	5 F	5 F	5 F	5 F
Beryllium	5	5 F	5 F	5 F	5 F	5 F	5 F	5 F	5 F	5 F	5 F	5 F
Calcium	14700	8690 F	8720	8490 F	8150	5780 F	8000	7510 F	5700	4240 F	5750	5670 F
Chromium	14.7	6.02 F	6.02 F	6.02 F	6.02 F	6.02 F	6.02 F	6.02 F	6.02 F	6.02 F	6.02 F	6.02 F
Cobalt	25	25 F	25 F	25 F	25 F	25 F	25 F	25 F	25 F	25 F	25 F	25 F
Copper	8.09	8.09 F	8.09 F	8.09 F	8.09 F	8.09 F	12	8.09 F	8.09 F	8.09 F	8.09 F	8.09 F
Iron	9100	38.8 F	2080	108 F	1910	38.8 F	751	38.8 F	38.8 F	38.8 F	38.8 F	38.8 F
Lead	4.25	1.26 F	1.63	1.26 F	2.93	1.26 F	1.26 F	1.26 F	1.26 F	1.26 F	1.26 F	1.26 F
Magnesium	3480	2620 F	2910	2510 F	2240	1640 F	2900	2610 F	500 F	500 F	500 F	500 F
Manganese	291	486 F	585	548 F	54.8	2.75 F	47.5	26.3 F	9.51 F	8.9 F	5.53 F	5.47 F
Mercury	0.243	0.243 F	0.243 F	0.243 F	0.243 F	0.243 F	0.243 F	0.243 F	0.243 F	0.243 F	0.243 F	0.243 F
Nickel	34.3	34.3 F	34.3 F	34.3 F	34.3 F	34.3 F	34.3 F	34.3 F	34.3 F	34.3 F	34.3 F	34.3 F
Potassium	2370	3730 F	3450	2970 F	6860	5310 F	4800	4450 F	705 F	1450 F	1100 F	701 F
Silver	4.6	4.6 F	4.6 F	4.6 F	4.6 F	4.6 F	4.6 F	4.6 F	4.6 F	4.6 F	4.6 F	4.6 F
Sodium	10800	7610 F	8870	7970 F	9790	10900 F	9350	9190 F	2440 F	2540 F	2620 F	2640 F
Vanadium	11	11 F	11 F	11 F	11 F	11 F	11 F	11 F	11 F	11 F	11 F	11 F
Zinc	21.1	76.4 F	21.1 F	21.1 F	21.1 F	20.2 F	21.1 F	21.1 F	21.1 F	130 F	21.1 F	21.1 F
PAL PESTICIDES (ug/L)												
Endrin		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAL EXPLOSIVES (ug/L)												
Nitroglycerin		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS (ug/L)												
*Bis (2-ethylhexyl) Phthalate		NA	4.8	NA	4.8	NA	4.8	NA	4.8	NA	5.5	NA
PAL VOLATILE ORGANICS (ug/L)												
1,2-dichloroethylene (cis And Trans Isomers)		NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA
xylenes		NA	0.84	NA	0.84	NA	0.84	NA	0.84	NA	0.84	NA
1,1,2,2-tetrachloroethane		NA	38	NA	0.51	NA	0.51	NA	0.51	NA	0.51	NA
Carbon Disulfide		NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA
Carbon Tetrachloride		NA	2.5	NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA
*Chloroform		NA	1.5	NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA
*Methylene Chloride		NA	2.5	NA	2.5	NA	2.5	NA	2.5	NA	2.5	NA
Methylethyl Ketone / 2-butanone		NA	6.4	NA	6.4	NA	6.4	NA	6.4	NA	6.4	NA
Tetrachloroethylene / Tetrachloroethene		NA	1.6	NA	1.6	NA	1.6	NA	1.6	NA	1.6	NA
*Toluene		NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA
Benzene		NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA
Trichloroethylene / Trichloroethene		NA	52	NA	0.5	NA	0.5	NA	0.5	NA	0.5	NA
2,4,6-Trinitrotoluene		NA	0.63	NA	0.63	NA	0.63	NA	0.63	NA	0.63	NA
WATER QUALITY PARAMETERS (ug/L)												
Alkalinity		NA	46000	NA	46000	NA	44000	NA	11000	NA	10000	NA
Nitrite, Nitrate - non Specific		NA	10	NA	10	NA	10	NA	270	NA	190	NA
Nitrogen By Kjeldahl Method		NA	183	NA	183	NA	381	NA	183	NA	183	NA
Total Dissolved Solids		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Hardness		NA	84400	NA	25600	NA	92200	NA	9.6	NA	9800	NA
Total Suspended Solids		NA	72000	NA	24000	NA	97000	NA	4000	NA	16000	NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 5		ROUND 6		ROUND 5		ROUND 6		ROUND 5	
Site ID:		41M-94-09B	41M-94-09B	41M-94-09B	41M-94-09B	41M-94-10X	41M-94-10X	41M-94-10X	41M-94-10X	41M-94-11X	41M-94-11X
Sample Date:	Fort Devens	12/05/94	12/05/94	03/15/95	03/15/95	12/08/94	12/08/94	03/17/95	03/17/95	12/06/94	12/06/94
Depth:	Background	58	58	58	58	97.5	97.5	97.5	97.5	49.5	49.5
Field Sample Number:	Concentrations	MX4109B3	MX4109B3	MX4109B4	MX4109B4	MX4110X3	MX4110X3	MX4110X4	MX4110X4	MX4111X3	MX4111X3
PAL CATIONS/ANIONS (µg/L)											
Chloride		2740	NA	2850	NA	2520	NA	< 2120	NA	< 2120	NA
Phosphate		249	NA	103	NA	15000	NA	2500	NA	122	NA
Sulfate		< 10000	NA	< 10000	NA	45000	NA	25000	NA	< 10000	NA
PAL METALS (µg/L)											
Aluminum	6870	203	230 F	< 141	< 141 F	96500	< 141 F	2910	< 141 F	3040	< 141 F
Antimony	3.03	< 3.03	< 3.03 F	< 3.03	< 3.03 F	3.66	< 3.03 F	< 3.03	< 3.03 F	< 3.03	< 3.03 F
Arsenic	10.5	3.62	2.77 F	< 2.54	< 2.54 F	59.8	4.05 F	3.84	4.48 F	17.5	13.9 F
Barium	39.6	6.4	5.89 F	5.56	5.11 F	937	6.91 F	21.7	4.67 F	24	< 5 F
Beryllium	5	< 5	< 5 F	< 5	< 5 F	< 5	< 5 F	< 5	< 5 F	< 5	< 5 F
Calcium	14700	3650	3570 F	3840	3860 F	49900	14600 F	7710	7920 F	6070	7040 F
Chromium	14.7	< 6.02	< 6.02 F	< 6.02	< 6.02 F	135	< 6.02 F	< 6.02	< 6.02 F	7.35	< 6.02 F
Cobalt	25	< 25	< 25 F	< 25	< 25 F	66.7	< 25 F	< 25	< 25 F	25	< 25 F
Copper	8.09	< 8.09	< 8.09 F	< 8.09	< 8.09 F	113	< 8.09 F	< 8.09	< 8.09 F	< 8.09	< 8.09 F
Iron	9100	108	193 F	< 38.8	< 38.8 F	144000	157 F	3090	53.4 F	4780	43 F
Lead	4.25	< 1.26	< 1.26 F	< 1.26	< 1.26 F	46.6	< 1.26 F	2.17	< 1.26 F	2.06	< 1.26 F
Magnesium	3480	< 500	< 500 F	< 500	< 500 F	40800	6890 F	4010	3620 F	1910	1210 F
Manganese	291	93.3	90.3 F	21.8	22.1 F	2670	520 F	228	201 F	57.4	3.41 F
Mercury	0.243	< 0.243	< 0.243 F	< 0.243	< 0.243 F	< 0.243	< 0.243 F	0.546	< 0.243 F	< 0.243	< 0.243 F
Nickel	34.3	< 34.3	< 34.3 F	< 34.3	< 34.3 F	179	< 34.3 F	< 34.3	< 34.3 F	< 34.3	34.3 F
Potassium	2370	1750	800 F	520	946 F	29900	5100 F	7910	4150 F	2790	1990 F
Silver	4.6	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6	< 4.6 F
Sodium	10800	5830	5390 F	2740	2850 F	19800	13300 F	18100	18000 F	5500	5550 F
Vanadium	11	< 11	< 11 F	< 11	< 11 F	153	< 11 F	< 11	< 11 F	< 11	< 11 F
Zinc	21.1	< 21.1	< 21.1 F	< 21.1	< 21.1 F	575	47.7 F	< 21.1	< 21.1 F	48.3	59.2 F
PAL PESTICIDES/PCBS (µg/L)											
Endrin		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAL EXPLOSIVES (µg/L)											
Nitroglycerin		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS (µg/L)											
*Bis (2-ethylhexyl) Phthalate		< 4.8	NA	23	NA	8.7	NA	5.4	NA	18 B	NA
PAL VOLATILE ORGANICS (µg/L)											
1,2-dichloroethylene (cis And Trans Isomers)		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA
xylenes		< 0.84	NA	< 0.84	NA	< 0.84	NA	< 0.84	NA	< 0.84	NA
1,1,2,2-tetrachloroethane		< 0.51	NA	< 0.51	NA	< 0.51	NA	< 0.51	NA	< 0.51	NA
Carbon Disulfide		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA
Carbon Tetrachloride		< .58	NA	< .58	NA	< .58	NA	< .58	NA	< .58	NA
*Chloroform		< .5	NA	< .5	NA	< .5	NA	< .5	NA	< .5	NA
*Methylene Chloride		< 2.3	NA	< 2.3	NA	< 2.3	NA	< 2.3	NA	< 2.3	NA
Methylethyl Ketone / 2-butanone		< 6.4	NA	< 6.4	NA	< 6.4	NA	< 6.4	NA	< 6.4	NA
Tetrachloroethylene / Tetrachloroethene		< 1.6	NA	< 1.6	NA	< 1.6	NA	< 1.6	NA	< 1.6	NA
*Toluene		< 0.65	NA	< 0.65	NA	.82	NA	< 0.5	NA	.86 B	NA
Benzene		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA
Trichloroethylene / Trichloroethene		< 0.5	NA	< 0.5	NA	8.3	NA	11	NA	< .5	NA
2,4,6-Trinitrotoluene		< 0.63	NA	< 0.63	NA	< 0.63	NA	< 0.63	NA	< 0.63	NA
PAL WATER QUALITY PARAMETERS (µg/L)											
alkalinity		< 14000	NA	11000	NA	53000	NA	43000	NA	31000	NA
nitrite, Nitrate-non Specific		< 400	NA	550	NA	10	NA	< 10	NA	< 10	NA
nitrogen By Kjeldahl Method		< 183	NA	< 183	NA	362	NA	324	NA	< 183	NA
total Dissolved Solids		< NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
total Hardness		< 12400	NA	10800	NA	166000	NA	31600	NA	18.8	NA
total Suspended Solids		< 4000	NA	9000	NA	11300000	NA	351000	NA	41000	NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 6		ROUND 5		ROUND 6		ROUND 5		ROUND 6	
Site ID:		41M-94-11X	41M-94-11X	41M-94-12X	41M-94-12X	41M-94-12X	41M-94-12X	41M-94-13X	41M-94-13X	41M-94-13X	41M-94-13X
Sample Date:	Fort Devens	05/14/95	05/14/95	12/08/94	12/08/94	05/15/95	05/15/95	12/08/94	12/08/94	05/16/95	05/16/95
Depth:	Background	49.5	49.5	38	38	38	38	28.5	28.5	28.5	28.5
Field Sample Number:	Concentrations	MX4111X4	MX4111X4	MX4112X3	MX4112X3	MX4112X4	MX4112X4	MX4113X3	MX4113X3	MX4113X4	MX4113X4
PAL CATIONS/ANIONS (µg/L)											
Chloride		< 2120	NA	< 2120	NA	< 2120	NA	< 2120	NA	< 2120	NA
Phosphate		106	NA	445	NA	247	NA	37.3	NA	135	NA
Sulfate		< 10000	NA	16000	NA	10000	NA	< 10000	NA	< 10000	NA
PAL METALS (µg/L)											
Aluminum	6870	982	< 141 F	16100	< 141 F	10000	< 141 F	961 F	< 141 F	5300	< 141 F
Antimony	3.03	< 3.03	< 3.03 F	< 3.03	3.93 F	< 3.03	< 3.03 F	< 3.03 F	< 3.03 F	< 3.03	< 3.03 F
Arsenic	10.5	9.91	7.68 F	19.4	6.08 F	11.2	< 2.54 F	< 2.54 F	< 2.54 F	6.4	< 2.54 F
Barium	39.6	10.2	< 5 F	86.6	7.13 F	58.7	8.89 F	9.35 F	< 5 F	26.5	< 5 F
Beryllium	5	< 5	< 5 F	< 5	< 5 F	< 5	< 5 F	< 5 F	< 5 F	< 5	< 5 F
Calcium	14700	8000	7500 F	16600	11800 F	9110	6740 F	8510 F	7460 F	7060	5600 F
Chromium	14.7	< 6.02	< 6.02 F	25.2	< 6.02 F	19.2	< 6.02 F	< 6.02 F	< 6.02 F	7.74	< 6.02 F
Cobalt	25	< 25	< 25 F	< 25	< 25 F	< 25	< 25 F	< 25 F	< 25 F	< 25	< 25 F
Copper	8.09	< 8.09	< 8.09 F	16.5	10.9 F	14.7	< 8.09 F	< 8.09 F	< 8.09 F	< 8.09	< 8.09 F
Iron	9100	1140	49 F	21600	125 F	13900	73.5 F	1200 F	< 38.8 F	6220	< 38.8 F
Lead	4.25	< 1.26	< 1.26 F	8.13	< 1.26 F	7.16	< 1.26 F	< 1.26 F	< 1.26 F	4.01	< 1.26 F
Magnesium	3480	1840	1550 F	8090	2740 F	6570	2630 F	1550 F	1100 F	2550	1280 F
Manganese	291	19.4	5.65 F	514 J	64.5 F	402	216 F	54.7 F	32.2 F	120	10.8 F
Mercury	0.243	< 0.243	< 0.243 F	< 0.243	< 0.243 F	< 0.243	< 0.243 F	< 0.243 F	< 0.243 F	< 0.243	< 0.243 F
Nickel	34.3	34.3	34.3 F	34.3	34.3 F	34.3	34.3 F	34.3 F	< 34.3 F	34.3	34.3 F
Potassium	2370	5140	2690 F	13100	8500 F	6990	3350 F	2170 F	1730 F	2280	913 F
Silver	4.6	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6	< 4.6 F	< 4.6 F	< 4.6 F	< 4.6	< 4.6 F
Sodium	10800	5640	5490 F	14700	11800 F	12500	11000 F	7210 F	6780 F	7460	6790 F
Vanadium	11	< 11	< 11 F	28.4	< 11 F	17.7	< 11 F	< 11 F	< 11 F	< 11	< 11 F
Zinc	21.1	< 21.1	< 21.1 F	39.5	< 21.1 F	39.4	< 21.1 F	< 21.1 F	< 21.1 F	< 21.1	< 21.1 F
PAL PESTICIDES/PCBS (µg/L)											
Endrin		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAL EXPLOSIVES (µg/L)											
Nitroglycerin		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS (µg/L)											
*Bis (2-ethylhexyl) Phthalate		10	NA	59	NA	7.4	NA	< 4.8	NA	< 4.8	NA
PAL VOLATILE ORGANICS (µg/L)									NA		
1,2-dichloroethylene (cis And Trans Isomers)		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA
xylenes		< 0.84	NA	< 0.84	NA	< 0.84	NA	< 0.84	NA	< 0.84	NA
1,1,2,2-tetrachloroethane		< 0.51	NA	< 0.51	NA	< 0.51	NA	.97	NA	5.1	NA
Carbon Disulfide		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA
Carbon Tetrachloride		< .58	NA	< .58	NA	< .58	NA	< .58	NA	< 0.58	NA
*Chloroform		< .5	NA	< .5	NA	< .5	NA	< .5	NA	< .5	NA
*Methylene Chloride		< 2.3	NA	< 2.3	NA	< 2.3	NA	< 2.3	NA	< 2.3	NA
Methylethyl Ketone / 2-butanone		< 6.4	NA	< 6.4	NA	< 6.4	NA	< 6.4	NA	< 6.4	NA
Tetrachloroethylene / Tetrachloroethene		< 1.6	NA	< 1.6	NA	< 1.6	NA	< 1.6	NA	< 1.6	NA
*Toluene		< 0.5	NA	.52	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA
Benzene		< 0.5	NA	< 0.5	NA	< 0.5	NA	< 0.5		< 0.5	NA
Trichloroethylene / Trichloroethene		< .5	NA	< 0.5	NA	< 0.5	NA	< 0.5	NA	0.9	NA
2,4,6-Trinitrotoluene		< 0.63	NA	< 0.63	NA	< 0.63	NA	< 0.63	NA	< 0.63	NA
PAL WATER QUALITY PARAMETERS (µg/L)											
alkalinity		32000	NA	61000	NA	45000	NA	33000	NA	25000	NA
nitrite, Nitrate-non Specific		< 10	NA	< 10	NA	< 10	NA	< 10	NA	< 10	NA
nitrogen By Kjeldahl Method		419	NA	276	NA	305	NA	< 183	NA	333	NA
total Dissolved Solids		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
total Hardness		27000	NA	50400	NA	35600	NA	24000	NA	22800	NA
total Suspended Solids		56000	NA	875000	NA	360000	NA	169000	NA	198000	NA

Table 43

GROUNDWATER OFF-SITE LABORATORY ANALYTICAL RESULTS
AOC 41 - UNAUTHORIZED DUMPING AREA (SITE A)

		ROUND 5				ROUND 6	
Site ID:		41M-94-14X	41M-94-14X	41M-94-14X	41M-94-14X	41M-94-14X	41M-94-14X
Sample Date:	Fort Devens	12/07/94	12/07/94	12/07/94	12/07/94	05/13/95	05/13/95
Depth:	Background	S	S	S	S	S	S
Field Sample Number:	Concentrations	MX4114X3	MD4114X3	MX4114X3	MD4114X3	MX4114X4	MX4114X4
PAL CATIONS/ANIONS (ug/L)							
Chloride		2740	2740 D	NA	NA	2120 J	NA
Phosphate		< 13.3	< 13.3 D	NA	NA	990	NA
Sulfate		< 10000	< 10000 D	NA	NA	< 10000 J	NA
PAL METALS (ug/L)							
Aluminum	6870	< 141	< 141 D	< 141 F	< 141 DF	< 141	< 141 F
Antimony	3.03	< 3.03	< 3.03 D	< 3.03 F	< 3.03 DF	< 3.03	< 3.03 F
Arsenic	10.5	< 2.54	< 2.54 D	< 2.54 F	< 2.54 DF	< 2.54	< 2.54 F
Barium	39.6	5.76	6.19 D	< 5 F	6.5 DF	< 5	< 5 F
Beryllium	5	< 5	< 5 D	< 5 F	< 5 DF	< 5	< 5 F
Calcium	14700	3320	3380 D	3420 F	3390 DF	3220	3240 F
Chromium	14.7	< 6.02	< 6.02 D	< 6.02 F	< 6.02 DF	< 6.02	< 6.02 F
Cobalt	25	< 25	< 25 F	25 F	< 25 DF	< 25	< 25 F
Copper	8.09	< 8.09	< 8.09 D	< 8.09 F	< 8.09 DF	< 8.09	< 8.09 F
Iron	9100	< 38.8	< 38.8 D	131 F	81.7 DF	< 38.8	< 38.8 F
Lead	4.25	< 1.26	< 1.26 D	< 1.26 F	< 1.26 DF	< 1.26	< 1.26 F
Magnesium	3480	< 500	< 500 D	< 500 F	< 500 DF	< 500	< 500 F
Manganese	291	57.9 J	55.6 D	101 F	52.5 DF	4.74	4.74 F
Mercury	0.243	< 0.243	< 0.243 D	< 0.243 F	< 0.243 DF	< 0.243	< 0.243 F
Nickel	34.3	34.3	34.3 D	34.3 F	34.3 DF	34.3	34.3 F
Potassium	2370	726	1150 D	715 F	826 DF	< 375	< 375 F
Silver	4.6	< 4.6	< 4.6 D	< 4.6 F	< 4.6 DF	< 4.6	< 4.6 F
Sodium	10800	2050	2130 D	2110 F	2100 DF	2290	2270 F
Vanadium	11	< 11	< 11 D	< 11 F	< 11 DF	< 11	< 11 F
Zinc	21.1	< 21.1	< 21.1 D	< 21.1 F	< 21.1 DF	< 21.1	< 21.1 F
PAL PESTICIDES/PCBS (ug/L)							
Endrin		NA	NA	NA	NA	NA	NA
PAL EXPLOSIVES (ug/L)							
Nitroglycerin		NA	NA	NA	NA	NA	NA
PAL SEMIVOLATILE ORGANICS (ug/L)							
*Bis (2-ethylhexyl) Phthalate		< 4.8	20 D	NA	NA	< 4.8	NA
PAL VOLATILE ORGANICS (ug/L)							
1,2-dichloroethylene (cis And Trans Isomers)		< 0.5	< 0.5 D	NA	NA	< 0.5	NA
xylenes		< 0.84	< 0.84 D	NA	NA	< 0.84	NA
1,1,2,2-tetrachloroethane		< .51	< .51 D	NA	NA	< .51	NA
Carbon Disulfide		< 0.5	< 0.5 D	NA	NA	< 0.5	NA
Carbon Tetrachloride		< 0.58	< 0.58 D	NA	NA	< 0.58	NA
*Chloroform		.68	< 0.5 D	NA	NA	< 0.5	NA
*Methylene Chloride		< 2.3	< 2.3 D	NA	NA	< 2.3	NA
Methylethyl Ketone / 2-butanone		< 6.4	< 6.4 D	NA	NA	< 6.4	NA
Tetrachloroethylene / Tetrachloroethene		< 1.6	< 1.6 D	NA	NA	< 1.6	NA
*Toluene		< 0.5	< 0.5 D	NA	NA	< 0.5	NA
Benzene		< 0.5	< 0.5 D	NA	NA	< 0.5	NA
Trichloroethylene / Trichloroethene		1.2	1.1 D	NA	NA	< 0.5	NA
2,4,6-Trinitrotoluene		< 0.63	< 0.63 D	< NA	NA	< 0.63	NA
PAL WATER QUALITY PARAMETERS (ug/L)							
alkalinity		10000	9000 D	NA	NA	8000	NA
nitrite, Nitrate-non Specific		12	11.9 D	NA	NA	< 10	NA
nitrogen By Kjeldahl Method		< 183	< 183 D	NA	NA	1490	NA
total Dissolved Solids		NA	NA	NA	NA	NA	NA
total Hardness		8.8	8.8 D	NA	NA	11600	NA
total Suspended Solids		< 4000	< 4000 D	NA	NA	528000	NA

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